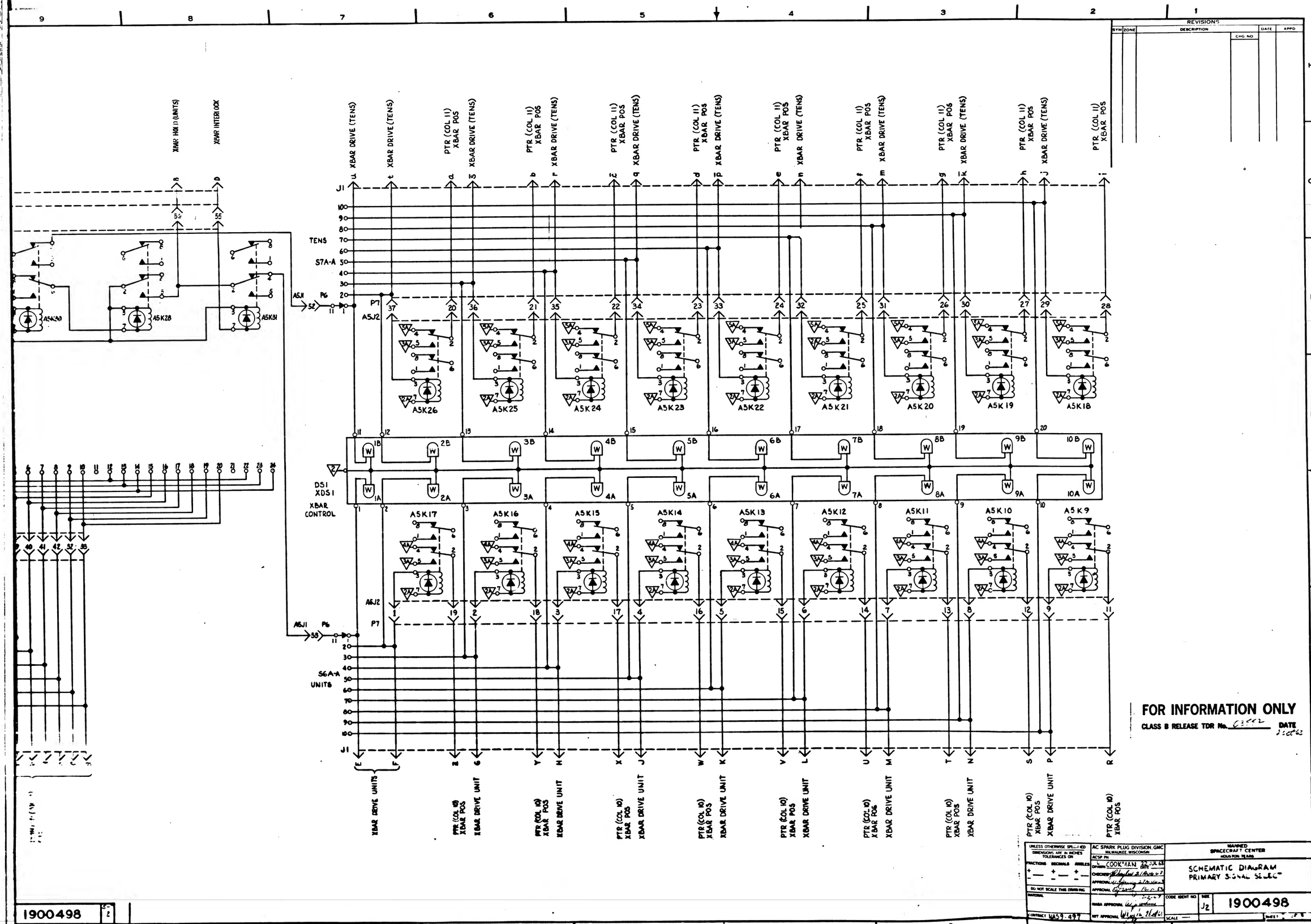


REVISIONS

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD

FOR INFORMATION ONLY

CLASS B RELEASE TDR No. 63442 DATE 2 Oct 62

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS ± DECIMALS ± ANGLES ±

DO NOT SCALE THIS DRAWING

MATERIAL

CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN COOKMAN 20 JUL 63

CHECKED 21 Aug 62

APPROVAL 27 Aug 62

APPROVAL 16 Oct 62

NASA APPROVAL

MIT APPROVAL 21 Oct 62

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

SCHEMATIC DIAGRAM
PRIMARY SIGNAL SELECT

CODE IDENT NO

SIZE J2

1900498

SCALE —

SHEET 1 OF 1

1900498 C 2

APPLICATION	
NEXT ASSY	USED ON
1900433-OH	1900433-OH

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
H	REPLACES REV G WITH CHANGE PER CM-192743 REVISED PER TDR	22 JAN 64	
J	CHANGE IN ACCORDANCE WITH CM 192932	24 JAN 64	JJJ DLF
K	CHANGE IN ACCORDANCE WITH CM 193260 TDRR 10174	6 JAN 64	JJJ DLF
L	CHANGE IN ACCORDANCE WITH CM 193478	28 JAN 64	JJJ DLF
M	CHANGE IN ACCORDANCE WITH CM 193850	31 JAN 64	JJJ DLF
N	CHANGE IN ACCORDANCE WITH CM 194572 REVISED PER TDR 10175	7 FEB 64	JJJ DLF
P	CHANGE IN ACCORDANCE WITH CM 195030	6 MAR 64	JJJ DLF
R	CHANGE IN ACCORDANCE WITH CM 195508	10 MAR 64	

FOR INFORMATION ONLY

CLASS B RELEASE TDR No. 02937 DATE 9-7-63

(H) REPLACES REV G WITH CHANGE

| REV | AB AB AB

GNW WIRING HARNESS A AB 1900712

PENNANT NOTE — GENERAL NOTES

1 SEE CONDUCTOR CHART, PENNANT NOTE 1.

2 SEE CONDUCTOR CHART, PENNANT NOTE 2.

3 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

4 MARK CONDUCTOR IDENTIFICATION PER ND1002019.

5 MARK CONDUCTOR IDENTIFICATION ON SINGLE CONDUCTORS PER ND1002019 OMITTING ALL SUFFIX LETTERS EXCEPT A AND B.

6 SPACING OF CONDUCTOR IDENTIFICATION SHALL BE EVERY 1.2 INCHES.

7 SPIRALLING OF THE MARKING IS ALLOWED.

8 MARK SLEEVING WITH REFERENCE DESIGNATION AS SHOWN .12 INCH HIGH, COLOR BLACK PER ND1002019.

9 MARK SLEEVING ON SHIELD TERMINATIONS OF MULTI-CONDUCTORS WITH THE CONDUCTOR NUMBER .12 INCH HIGH, COLOR BLACK, PER ND1002019

10 DELETED

11 LACE HARNESS USING ITEM 81

12 IDENTIFY USING DRAWING NO. AND REVISION LETTER .12 INCHES HIGH CHARACTERS, BLACK, PER ND1002019

13 SOLDER PER MIL-STD-440 USING ITEMS 82 AND 83.

14 Y OR N, IN TINNED COLUMN INDICATES YES OR NO.

15 A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.

16 VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A 1900712
SCALE - NONE REV LTR AB SHEET 3 OF 150

GNW WIRING HARNESS A AB 1900712

PENNANT NOTE — GENERAL NOTES

17 GRID MODULE IS 1 INCH.

18 UNLESS OTHERWISE SPECIFIED —
FEATURE CENTERLINES ARE LOCATED WITHIN + OR - .25 INCH.
END OF HOOKUP WIRES OR ACCESSORIES ARE LOCATED WITHIN + OR - .12 INCH.

19 FASTEN MARKER SECURELY WITH ITEM 81. WRAP MARKER TO CONFORM TO CABLE CONFIGURATION.

20 THE SUFFIX LETTER OF A CONDUCTOR IDENTIFICATION NUMBER INDICATES CONDUCTOR SHIELDING, COLOR, OR MARKING.
A - FROM END SHIELD
B - TO END SHIELD
L - WHITE WITH BLUE TRACER
R - WHITE WITH RED TRACER
Y - WHITE WITH YELLOW TRACER

21 IDENTIFY BY CONNECTOR NUMBER, P1, P2, P4, P6, P8, P9, P10 AND P11 AS REQUIRED, .12 INCHES HIGH, CHARACTERS BLACK

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A 1900712
SCALE - NONE REV LTR AB SHEET 4 OF 150

GNW WIRING HARNESS A AB 1900712

PENNANT NOTE — GENERAL NOTES

TOLERANCE CHART, UNLESS OTHERWISE SPECIFIED —

APPLICABLE LENGTH FOR WIRE OR CABLE, STRIP WIRE, STRIP JACKET, CUT WIRE OR CUT SHIELD.	TOLERANCE STRIP WIRE	STRIP JACKET	CUT WIRE	CUT SHIELD
UNDER 1 INCH	+.03-.00	+.06-.06	+.06-.06	+.06-.06
1 INCH TO 6 INCHES	+.06-.00	+.25-.25	+.25-.25	+.25-.25
6 INCHES TO 6 FEET		+.50-.50	+.50-.50	+.50-.50

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A 1900712
SCALE - NONE REV LTR AB SHEET 5 OF 150

GNW WIRING HARNESS A AB 1900712

PENNANT — LIST OF MATERIALS

NOTE	ITEM	QTY	PART NO	DESCRIPTION
	1	1	1900712-001	WIRE ND1002181 TYPE 1 CLASS 1 24AWG WHT 1360 FT TOTAL LENGTH
	2	1	1900712-002	WIRE ND1002181 TYPE 1 CLASS 1 22AWG WHT 3408 FT TOTAL LENGTH
	3	1	1900712-003	WIRE ND1002181 TYPE 1 CLASS 1 20AWG WHT 2680 FT TOTAL LENGTH
	4	1	1900712-004	WIRE ND1002181 TYPE 1 CLASS 1 16AWG WHT 336 FT TOTAL LENGTH
	5	1	1900712-005	WIRE ND1002181 TYPE 1 CLASS 1 14AWG WHT 112 FT TOTAL LENGTH
	6	1	1900712-006	WIRE ND1002181 TYPE 1 CLASS 1 12AWG WHT 256 FT TOTAL LENGTH
	7	1	1900712-007	WIRE ND1002181 TYPE 1 CLASS 4 WHT JKT 24AWG WHT 432 FT TOTAL LENGTH
	8	1	1900712-008	WIRE ND1002181 TYPE 1 CLASS 4 WHT JKT 22AWG WHT 48 FT TOTAL LENGTH
	9	1	1900712-009	WIRE ND1002181 TYPE 1 CLASS 4 WHT JKT 20AWG WHT 48 FT TOTAL LENGTH
	10	1	1900712-010	WIRE ND1002181 TYPE 2 CLASS 4 WHT JKT 24AWG (WHT-BLUE, WHT-RED) 2168 FT TOTAL LENGTH
	11	1	1900712-011	WIRE ND1002181 TYPE 2 CLASS 4 WHT JKT 22AWG (WHT-BLUE, WHT-RED) 352 FT TOTAL LENGTH
	12	1	1900712-012	WIRE ND1002181 TYPE 2 CLASS 4 WHT JKT 20AWG (WHT-BLUE, WHT-RED) 176 FT TOTAL LENGTH

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A 1900712
SCALE - NONE REV LTR AB SHEET 6 OF 150

PENNANT LIST OF MATERIALS

NOTE	ITEM	QTY	PART NO.	DESCRIPTION
	13			DELETED (1900712-013)
	14	1	1900712-014	WIRE MD1002181 TYPE 3 CLASS 4 WHT JKT 24AWG (WHT-BLUE, WHT-RED, WHT-YEL) 240 FT TOTAL LENGTH
	15	1	1900712-015	WIRE MD1002181 TYPE 3 CLASS 4 WHT JKT 22AWG (WHT-BLUE, WHT-RED, WHT-YEL) 56 FT TOTAL LENGTH
	16	1	1900712-016	WIRE MD1002181 TYPE 3 CLASS 4 WHT JKT 20AWG (WHT-BLUE, WHT-RED, WHT-YEL) 48 FT TOTAL LENGTH
	17	1	1900712-017	WIRE MD1002181 TYPE 1 CLASS 1 8AWG WHT 16 FT TOTAL LENGTH
	18	1	MS3127E22-55P	(1897053-550) CONNECTOR-RECEPTACLE, ELECTRICAL
	19	3	MS3127E24-61SX	(1897086-612) CONNECTOR-RECEPTACLE ELECTRICAL
	20	4	MS3127E24-61S	(1897056-610) CONNECTOR-RECEPTACLE, ELECTRICAL
	21	2	MS3127E24-61SY	(1897056-613) CONNECTOR-RECEPTACLE ELECTRICAL
	22	1	MS3102E28-10P	(1897108-100) CONNECTOR-RECEPTACLE, ELECTRICAL
	23	1	MS3127E22-55PX	(1897053-552) CONNECTOR-RECEPTACLE ELECTRICAL
	24	2	MS3127E22-55S	(1897054-580) CONNECTOR-RECEPTACLE, ELECTRICAL
	25	3	MS3127E24-61P	(1897055-610) CONNECTOR-RECEPTACLE, ELECTRICAL
	26	4	MS3127E24-61SW	(1897056-611) CONNECTOR-RECEPTACLE ELECTRICAL
	27	2	MS3127E24-61SZ	(1897056-614) CONNECTOR-RECEPTACLE ELECTRICAL
	28	1	MS3102A28-20S	(1896853-200) CONNECTOR-RECEPTACLE, ELECTRICAL

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 7 OF 150

PENNANT LIST OF MATERIALS

NOTE	ITEM	QTY	PART NO	DESCRIPTION
	29	2	MS3127E22-55SX	(1897054-212) CONNECTOR-RECEPTACLE ELECTRICAL
	30	2	MS3127E24-61PW	(1897055-611) CONNECTOR-RECEPTACLE ELECTRICAL
	31	1	MS3102A28-20SW	(1896853-201) CONNECTOR-RECEPTACLE ELECTRICAL
	32	1	MS3127E22-55SW	(1897054-591) CONNECTOR-RECEPTACLE ELECTRICAL
	33	1	MS3102A36-9S	(1896854-090) CONNECTOR-RECEPTACLE, ELECTRICAL
	34	1	MS3102A36-9SW	(1896854-091) CONNECTOR-RECEPTACLE, ELECTRICAL
16	35	28	1016006-002	SPLICE REDUCER
16	36	47	1016006-003	SPLICE REDUCER
16	37	28	1010490-258	INSULATION SLEEVING, ELECTRICAL, HEAT SHRINK
16	38	47	1010490-256	INSULATION SLEEVING, ELECTRICAL, HEAT SHRINK
16	39	17	1015902- 3	TERMINAL-LUG
16	40	494	1015902- 8	TERMINAL-LUG
16	41	40	1015902- 12	TERMINAL-LUG
16	42	227	1015966-001	TERMINAL-TIP, CONTACT
16	43	91	1015966-003	TERMINAL-TIP, CONTACT
	44			DELETED (1015902- 45)
16	45	12	1015902- 49	TERMINAL-LUG
16	46	86	1015864-225	INSULATION-SLEEVING, ELECTRICAL

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 8 OF 150

PENNANT LIST OF MATERIALS

NOTE	ITEM	QTY	PART NO	DESCRIPTION
16	47	166	1015864-227	INSULATION-SLEEVING, ELECTRICAL
16	48	172	1015864-169	INSULATION-SLEEVING, ELECTRICAL
16	49	271	1015864-147	INSULATION-SLEEVING, ELECTRICAL
16	50	309	1010490-196	INSULATION SLEEVING, ELECTRICAL, HEAT SHRINK
16	51	130	1010490-286	INSULATION SLEEVING, ELECTRICAL, HEAT SHRINK
16	52	365	1010490-198	INSULATION SLEEVING, ELECTRICAL, HEAT SHRINK
16	53	66	1010490-208	INSULATION SLEEVING, ELECTRICAL, HEAT SHRINK
16	54	54	1000243-003	FERRULE, ELECTRICAL CONDUCTOR
16	55	12	1000243-004	FERRULE, ELECTRICAL CONDUCTOR
16	56	274	1000243-008	FERRULE, ELECTRICAL CONDUCTOR
16	57	35	1000243-009	FERRULE, ELECTRICAL CONDUCTOR
	58			DELETED (1000243-011)
16	59	24	1000243-014	FERRULE, ELECTRICAL CONDUCTOR
16	60	6	1000243-015	FERRULE, ELECTRICAL CONDUCTOR
	61			DELETED (1000243-023)
	62			DELETED (1000242-002)
16	63	66	1000242-004	FERRULE, ELECTRICAL CONDUCTOR
16	64	274	1000242-007	FERRULE, ELECTRICAL CONDUCTOR

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 9 OF 150

PENNANT LIST OF MATERIALS

NOTE	ITEM	QTY	PART NO	DESCRIPTION
16	65	39	1000242-008	FERRULE, ELECTRICAL CONDUCTOR
16	66	7	1000242-011	FERRULE, ELECTRICAL CONDUCTOR
16	67	24	1000242-012	FERRULE, ELECTRICAL CONDUCTOR
16	68	6	1000242-016	FERRULE, ELECTRICAL CONDUCTOR
	69			DELETED (1000242-018)
16	70	2	1015864-187	INSULATION-SLEEVING, ELECTRICAL
16	71	2	MS3127E22-55PW	(1897053-551) CONNECTOR-RECEPTACLE ELECTRICAL
16	72	2	1016048- 19	TERMINAL-LUG
16	73	1	1016059-100	CONNECTOR
16	74	1	1016059-101	CONNECTOR
16	75	1	1016059-103	CONNECTOR
16	76	1	1016059-105	CONNECTOR
16	77	1	1016059-106	CONNECTOR
16	78	1	1016059-107	CONNECTOR
16	79	1	1016059-108	CONNECTOR
16	80	1	1016059-110	CONNECTOR
	81	AR	MIL-T-713	LACING TAPE TYPE P CLASS 2 BLACK (ES-2732 NO. 18)
	82	AR	QQ-S-571	SOLDER SN60 (ES-2175 ALLOY 1)

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 10 OF 150

PERMANT LISTY OF MATERIALS

NOTE	ITEM	QTY	PART NO	DESCRIPTION
	83	AR	QQ-S-571	FLUX TYPE AR (ES-2175 TYPE 1 OR 2) OR MIL-F-14256 FLUX (ES-2798)
16	84	9	1016128-001	BAND-IDENTIFICATION BLANK
	85	1	MS3127E24-61PX	(1897055-612) CONNECTOR-RECEPTACLE ELECTRICAL
16	86	50	1000243-011	FERRULE, ELECTRICAL CONDUCTOR
16	87	43	1000242-010	FERRULE, ELECTRICAL CONDUCTOR
16	88	5	1016287-002	ADAPTER-WIRE, SOLDER POT, COPPER CRIMP STYLE
16	89	7	1015864-194	INSULATION-SLEEVING, ELECTRICAL
16	90	49	1015864-284	INSULATION-SLEEVING, ELECTRICAL
	91	AR	MIL-I-15126F	INSULATION-TAPE, ELECTRICAL, PRESSURE SENSITIVE THERMO SETTING ADHESIVE TYPE ACT .75 PLUS OR MINUS .03 WIDE (ES-2716 TYPE C)
16	92	4	1015864-220	INSULATION-SLEEVING, ELECTRICAL

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 11 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.		FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT			TERMINATION SPEC. ITEM NO.					NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT			TERMINATION SPEC. ITEM NO.					NO.
A 1	1		J1-E*	22N							1	J35-C*	22N							300
A 2	1		J1-D*	22N							1	J41-B*	22N							280
A 3	11			180	150	51	87	86	5				250	220	51			7A		
A 3A	2		SHLD A3	25N								E20-B	38N							22
A 3L			J1-K*	22N							1	E11	25Y							128
A 3R			J1-J*	22N							1	XF12- 2	31Y							127
A 4	11			230	200	51	87	86	5				250	200	51			7A		
A 4A	2		SHLD A4	25N								E20-B	38N							22
A 4L			J1-N*	22N							1	E9	25Y							135
A 4R			J1-M*	22N							1	XF9- 2	31Y							134
A 5	11			280	250	51	87	86	5				250	220	51			7A		
A 5A	2		SHLD A5	25N								E20-B	38N							22
A 5L			J1-Q*	22N							1	E7	25Y							143
A 5R			J1-P*	22N							1	XF6- 2	31Y							142
A 6	3		J1-S*	22N							1	TB12- 4	25Y							184
A 7	10			330	300	50	64	56	5				250	220	52			7A		
A 7A	2		SHLD A7	25N								E20-B	38N							22
A 7L			J1-U*	22N							1	K18- 2	31Y		46					176

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 12 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.		FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT			TERMINATION SPEC. ITEM NO.					NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT			TERMINATION SPEC. ITEM NO.					NO.
A 7R			J1-T*	22N							1	K18- 6	31Y		46					176
A 8	3		J1-V*	22N							1	TB12- 2	25Y							183
A 9	3		J1-X*	22N							1	TB12- 8	25Y							186
A 10	10			180	150	50	64	56	5				250	220	52			7A		
A 10A	2		SHLD A10	25N								E20-B	38N							22
A 10L			J1-Z*	22N							1	K20- 9	31Y		47					178
A 10R			J1-Y*	22N							1	K20-13	31Y		47					178
A 11	1		J1-AA	22N							1	K20- 6	31Y		47					178
A 12	1		J1-BB	22N							1	K20- 2	31Y		47					178
A 13	8			230	200	52	63	55	5				200	170	53			7A		
A 13A	2		SHLD A13	25N								E20-B	38N							22
A 13W			J1-CC	22N							1	K28- 3	31Y		46					207
A 14	8			280	250	52	63	55	5				200	170	53			7A		
A 14A	2		SHLD A14	25N								E20-B	38N							22
A 14W			J1-DD	22N							1	K27- 3	31Y		46					206
A 15	3		J1-EE	22N							1	TB12-14	25Y							189
A 16	3		J1-FF	22N							1	TB12-12	25Y							188
A 17	1		J32-AA	22N							307	TB13-128	19N		42					266

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1908712
SCALE-NONE | REV LTR AB | SHEET 13 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.		FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT			TERMINATION SPEC. ITEM NO.					NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT			TERMINATION SPEC. ITEM NO.					NO.
A 18	16			350	300	90	68	60	5						51			7A		
A 18A	2		SHLD A18	25N								E21-B	38N							9
A 18L			J2-J	22N							5	E8	25Y							140
A 18R			J2-G	22N							5	XF8- 2	31Y							139
A 18Y			J2-H	22N							5	XF7- 2	31Y							141
A 19	11			280	250	51	87	86	5				250	220	51			7A		
A 19A	2		SHLD A19	25N								E21-B	38N							9
A 19L			J2-L	22N							5	E12	25Y							129
A 19R			J2-K	22N							5	XF13- 2	31Y							126
A 20	11			230	200	51	87	86	5				250	220	51			7A		
A 20A	2		SHLD A20	25N								E21-B	38N							9
A 20L			J2-N	22N							5	E14	25Y							121
A 20R			J2-M	22N							5	XF16- 2	31Y							120
A 21	10			180	150	50	64	56	5				250	220	52			7A		
A 21A	2		SHLD A21	25N								E21-B	38N							9
A 21L			J2-D	22N							5	K34- 7	31Y		47					219
A 21R			J2-C	22N							5	K34- 1	31Y		46					215
A 22	16			180	150	90	68	60	5				250	220	51			7A		

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 14 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.		FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	T S	TERMINATION SPEC. ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	T S	TERMINATION SPEC. ITEM NO.	NO.
A 22A	2		SHLD A22	25N				E21-B	38N			3
A 22L			J2-Y	22N			5	XF11- 2	31Y			191
A 22R			J2-X	22N			5	XF10- 2	31Y			133
A 22Y			J2-Z	22N			5	E10	25Y			132
A 23	10			230	200 50 64 56 5				250	220 52	7A	
A 23A	2		SHLD A23	25N				E21-B	38N			3
A 23L			J2-B*	22N			5	K65- 3	31Y	48		255
A 23R			J2-A*	22N			5	K65- 6	31Y	48		255
A 24	10			280	250 50 64 56 5				250	220 52	7A	
A 24A	2		SHLD A24	25N				E21-B	38N			3
A 24L			J2-D*	22N			5	K65- 9	31Y	48		255
A 24R			J2-C*	22N			5	K65-12	31Y	48		255
A 25	10			330	300 50 64 56 5				250	220 52	7A	
A 25A	2		SHLD A25	25N				E21-B	38N			3
A 25L			J2-E*	22N			5	K66- 3	31Y	48		256
A 25R			J2-F*	22N			5	K66- 6	31Y	48		256
A 26	10			180	150 50 64 56 5				250	220 52	7A	
A 26A	2		SHLD A26	25N				E21-B	38N			3

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 15 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.		FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	T S	TERMINATION SPEC. ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	T S	TERMINATION SPEC. ITEM NO.	NO.
A 26L			J2-H*	22N			5	K66- 9	31Y	48		256
A 26R			J2-G*	22N			5	K66-12	31Y	48		256
A 27	1		J33-AA	22N			304	TB13-12C	19N	42		266
A 28	7			230	200 52 63 54 5				200	170 53	7A	
A 28A	2		SHLD A28	25N				E22-B	38N			2
A 28W			J2-N*	22N			5	J44-T*	22N			274
A 29	7			230	200 52 63 54 5				200	170 53	7A	
A 29A	2		SHLD A29	25N				E22-B	38N			2
A 29W			J2-P*	22N			5	J44-U*	22N			274
A 30	7			280	250 52 63 54 5				200	170 53	7A	
A 30A	2		SHLD A30	25N				E22-B	38N			2
A 30W			J2-Q*	22N			5	J43-Q*	22N			275
A 31	7			330	300 52 63 54 5				200	170 53	7A	
A 31A	2		SHLD A31	25N				E22-B	38N			2
A 31W			J2-R*	22N			5	J43-G*	22N			275
A 32	7			180	150 52 63 54 5				200	170 53	7A	
A 32A	2		SHLD A32	25N				E22-B	38N			2
A 32W			J2-S*	22N			5	J43-H*	22N			275

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 16 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.		FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	T S	TERMINATION SPEC. ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	T S	TERMINATION SPEC. ITEM NO.	NO.
A 33	7			230	200 52 63 54 5				200	170 53	7A	
A 33A	2		SHLD A33	25N				E22-B	38N			2
A 33W			J2-T*	22N			5	J44-H*	22N			274
A 34	3		J2-U*	22N			5	J43-W*	22N			275
A 35	7			280	250 52 63 54 5				200	170 53	7A	
A 35A	2		SHLD A35	25N				E22-B	38N			2
A 35W			J2-V*	22N			5	J43-M*	22N			275
A 36	7			330	300 52 63 54 5				200	170 53	7A	
A 36A	2		SHLD A36	25N				E23-B	38N			4
A 36W			J2-W*	22N			5	J43-N*	22N			275
A 37	7			180	150 52 63 54 5				200	170 53	7A	
A 37A	2		SHLD A37	25N				E23-B	38N			4
A 37W			J2-X*	22N			5	J43-P*	22N			275
A 38	7			230	200 52 63 54 5				200	170 53	7A	
A 38A	2		SHLD A38	25N				E23-B	38N			4
A 38W			J2-Y*	22N			5	J44-V*	22N			274
A 39	7			280	250 52 63 54 5				200	170 53	7A	
A 39A	2		SHLD A39	25N				E23-B	38N			4

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 17 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.		FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	T S	TERMINATION SPEC. ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	T S	TERMINATION SPEC. ITEM NO.	NO.
A 39W			J2-Z*	22N			5	J44-W*	22N			274
A 40	7			330	300 52 63 54 5				200	170 53	7A	
A 40A	2		SHLD A40	25N				E23-B	38N			4
A 40W			J2-AA	22N			5	J44-X*	22N			274
A 41	7			180	150 52 63 54 5				200	170 53	7A	
A 41A	2		SHLD A41	25N				E23-B	38N			4
A 41W			J2-BB	22N			5	J44-Y*	22N			274
A 42	2		J2-DD	22N			5	K34-13	31Y	47		212
A 43	2		J2-CC	22N			5	XF19- 2	Y			122
A 44	11			230	200 51 87 86 5				250	220 51	7A	
A 44A	2		SHLD A44	25N				E23-B	38N			4
A 44L			J2-FF	22N			5	E13	25Y			124
A 44R			J2-EE	22N			5	XF14- 2	Y			123
A 45	10			180	150 50 64 56 5				250	220 52	7A	
A 45A	2		SHLD A45	25N				E24-B	38N			6
A 45L			J3-A*	22N			8	K45-12	31Y	49		224
A 45R			J3-B*	22N			8	K45- 9	31Y	49		224
A 46	10			230	200 50 64 56 5				250	220 52	7A	

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 18 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT 2	FROM CIRCUIT POINT 3	FROM CIRCUIT POINT 4	FROM CIRCUIT POINT 5	FROM CIRCUIT POINT 6	FROM TERMINATION SPEC (1)	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT 2	TO CIRCUIT POINT 3	TO CIRCUIT POINT 4	TO CIRCUIT POINT 5	TO CIRCUIT POINT 6	TO TERMINATION SPEC (1)	TO ITEM NO.	TO NO.
A 46A	2		SHLD A46	25N								E24-8	38N							6
A 46L			J3-D*	22N							8	K45- 6	31Y			49				224
A 46R			J3-C*	22N							8	K45- 3	31Y			49				224
A 47	10			280	250	50	64	56	5				250	220	52			7A		
A 47A	2		SHLD A47	25N								E24-8	38N							6
A 47L			J3-F*	22N							8	K44-15	31Y			49				223
A 47R			J3-E*	22N							8	K44-12	31Y			49				223
A 48	10			330	300	50	64	56	5				250	220	52			7A		
A 48A	2		SHLD A48	25N								E24-8	38N							6
A 48L			J3-H*	22N							8	K44- 9	31Y			49				223
A 48R			J3-G*	22N							8	K44- 6	31Y			49				223
A 49	10			180	150	50	64	56	5				250	220	52			7A		
A 49A	2		SHLD A49	25N								E24-8	38N							6
A 49L			J3-J*	22N							8	K49-12	31Y			49				228
A 49R			J3-K*	22N							8	K49- 9	31Y			49				228
A 50	10			230	200	50	64	56	5				250	220	52			7A		
A 50A	2		SHLD A50	25N								E24-8	38N							6
A 50L			J3-N*	22N							8	K49- 6	31Y			49				228

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 19 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT 2	FROM CIRCUIT POINT 3	FROM CIRCUIT POINT 4	FROM CIRCUIT POINT 5	FROM CIRCUIT POINT 6	FROM TERMINATION SPEC (1)	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT 2	TO CIRCUIT POINT 3	TO CIRCUIT POINT 4	TO CIRCUIT POINT 5	TO CIRCUIT POINT 6	TO TERMINATION SPEC (1)	TO ITEM NO.	TO NO.
A 50R			J3-M*	22N							8	K49- 3	31Y			49				228
A 51	10			280	250	50	64	56	5				250	220	52			7A		
A 51A	2		SHLD A51	25N								E24-8	38N							6
A 51L			J3-Q*	22N							8	K48-15	31Y			49				227
A 51R			J3-P*	22N							8	K48-12	31Y			49				227
A 52	10			330	300	50	64	56	5				250	220	52			7A		
A 52A	2		SHLD A52	25N								E24-8	38N							6
A 52L			J3-S*	22N							8	K48- 9	31Y			49				227
A 52R			J3-R*	22N							8	K48- 6	31Y			49				227
A 53	10			180	150	50	64	56	5				250	220	52			7A		
A 53A	2		SHLD A53	25N								E25-8	38N							7
A 53L			J3-U*	22N							8	K53-12	31Y			49				232
A 53R			J3-T*	22N							8	K53- 9	31Y			49				232
A 54	10			230	200	50	64	56	5				250	220	52			7A		
A 54A	2		SHLD A54	25N								E25-8	38N							7
A 54L			J3-W*	22N							8	K53- 6	31Y			49				232
A 54R			J3-V*	22N							8	K53- 3	31Y			49				232
A 55	10			280	250	50	64	56	5				250	220	52			7A		

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 20 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT 2	FROM CIRCUIT POINT 3	FROM CIRCUIT POINT 4	FROM CIRCUIT POINT 5	FROM CIRCUIT POINT 6	FROM TERMINATION SPEC (1)	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT 2	TO CIRCUIT POINT 3	TO CIRCUIT POINT 4	TO CIRCUIT POINT 5	TO CIRCUIT POINT 6	TO TERMINATION SPEC (1)	TO ITEM NO.	TO NO.
A 55A	2		SHLD A55	25N								E25-8	38N							7
A 55L			J3-X*	22N							8	K52-15	31Y			49				231
A 55R			J3-Y*	22N							8	K52-12	31Y			49				231
A 56	10			330	300	50	64	56	5				250	220	52			7A		
A 56A	2		SHLD A56	25N								E25-8	38N							7
A 56L			J3-BB	22N							8	K52- 9	31Y			49				231
A 56R			J3-AA	22N							8	K52- 6	31Y			49				231
A 57	12			180	150	90	67	59	5				250	220	51			7A		
A 57A	2		SHLD A57	25N								E25-8	38N							7
A 57L			J3-DD	22N							8	K21- 8	31Y			47				180
A 57R			J3-CC	22N							8	K21-14	31Y			47				180
A 58	12			230	200	90	67	59	5				250	220	51			7A		
A 58A	2		SHLD A58	25N								E25-8	38N							7
A 58L			J3-FF	22N							8	K21- 1	31Y			47				180
A 58R			J3-EE	22N							8	K21- 7	31Y			47				180
A 59	12			280	250	90	67	59	5				250	220	51			7A		
A 59A	2		SHLD A59	25N								E25-8	38N							7
A 59L			J3-MM	22N							8	E6	25Y							145

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 21 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT 2	FROM CIRCUIT POINT 3	FROM CIRCUIT POINT 4	FROM CIRCUIT POINT 5	FROM CIRCUIT POINT 6	FROM TERMINATION SPEC (1)	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT 2	TO CIRCUIT POINT 3	TO CIRCUIT POINT 4	TO CIRCUIT POINT 5	TO CIRCUIT POINT 6	TO TERMINATION SPEC (1)	TO ITEM NO.	TO NO.
A 59N			J3-GG	22N							8	KF5- 2	31Y							144
A 60	12			330	300	90	67	59	5				250	220	51			7A		
A 60A	2		SHLD A60	25N								E25-8	38N							7
A 60L			J3-KK	22N							8	TB7-10D	19Y			43				33
A 60R			J3-JJ	22N							8	TB7- 9D	19Y			43				33
A 61	1		J3-LL	22N							8	J27-K*	22N							168
A 62	10			180	150	50	64	56	5				250	220	52			7A		
A 62A	2		SHLD A62	25N								E26-8	38N							9
A 62L			J4-T	22N							12	J22-N	22N							158
A 62R			J4-S	22N							12	J22-M	22N							158
A 63	10			230	200	50	64	56	5				250	220	52			7A		
A 63A	2		SHLD A63	25N								E26-8	38N							9
A 63L			J4-V	22N							12	J22-X	22N							158
A 63R			J4-U	22N							12	J22-W	22N							158
A 64	10			280	250	50	64	56	5				250	220	52			7A		
A 64A	2		SHLD A64	25N								E26-8	38N							9
A 64L			J4-X	22N							12	J22-V	22N							158
A 64R			J4-W	22N							12	J22-U	22N							158

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 22 OF 150

CONDUCTOR NUMBER	ITEM NO.	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO.	TO NO.
A 65	10			330 300 50 64 56 5					250 220 52		7A	
A 65A	2		SHLD A65	25N				E26-R	38N			9
A 65L			J4-Z	22N			12	J22-R	22N			158
A 65R			J4-Y	22N			12	J22-P	22N			158
A 66	10			180 150 50 64 56 5					250 220 52		7A	
A 66A	2		SHLD A66	25N				E26-B	38N			9
A 66L			J4-C*	22N			12	J22-T	22N			158
A 66R			J4-B*	22N			12	J22-S	22N			158
A 67	1		J4-D*	22N			12	TB13- 6A	19N	42		266
A 68	1		J4-E*	22N			12	TB11- 1A	19N	42		37
A 69	1		J4-F*	22N			12	J45-J*	22N			268
A 70	12			230 200 90 67 59 5					250 220 51		7A	
A 70A	2		SHLD A70	25N				E26-B	38N			9
A 70L			J4-H*	22N			12	TB11- 5D	19N	43		37
A 70R			J4-G*	22N			12	TB11- 3D	19N	43		37
A 71	10			280 250 50 64 56 5					250 220 52		7A	
A 71A	2		SHLD A71	25N				E26-B	38N			9
A 71L			J4-K*	22N			12	TB11- 8A	19N	42		37

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 23 OF 150

CONDUCTOR NUMBER	ITEM NO.	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO.	TO NO.
A 71R			J4-J*	22N			12	TB11- 7A	19N	42		37
A 72	10			330 300 50 64 56 5					250 220 52		7A	
A 72A	2		SHLD A72	25N				E26-B	38N			9
A 72L			J4-N*	22N			12	TB11-14A	19N	42		37
A 72R			J4-M*	22N			12	TB11-13A	19N	42		37
A 73	10			180 150 50 64 56 5					250 220 52		7A	
A 73A	2		SHLD A73	25N				E27-R	38N			10
A 73L			J4-O*	22N			12	TB11-10B	19N	42		37
A 73R			J4-P*	22N			12	TB11- 9B	19N	42		37
A 74	10			230 200 50 64 56 5					250 220 52		7A	
A 74A	2		SHLD A74	25N				E27-R	38N			10
A 74L			J4-S*	22N			12	TB11-12R	19N	42		37
A 74R			J4-R*	22N			12	TB11-11B	19N	42		37
A 75	10			280 250 50 64 56 5					250 220 52		7A	
A 75A	2		SHLD A75	25N				E27-B	38N			10
A 75L			J4-U*	22N			12	TB11-18B	19N	42		37
A 75R			J4-T*	22N			12	TB11-17B	19N	42		37
A 76	10			330 300 50 64 56 5					250 220 52		7A	

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 24 OF 150

CONDUCTOR NUMBER	ITEM NO.	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO.	TO NO.
A 76A	2		SHLD A76	25N				E27-B	38N			10
A 76L			J4-W*	22N			12	TB11-16B	19N	42		37
A 76R			J4-V*	22N			12	TB11-15B	19N	42		37
A 77	14			180 150 50 65 57 5					250 220 52		7A	
A 77A	2		SHLD A77	25N				E27-B	38N			10
A 77L			J4-Y*	22N			12	J43-Y*	22N			275
A 77R			J4-X*	22N			12	J43-X*	22N			275
A 77Y			J4-Z*	22N			12	J43-Z*	22N			275
A 78	14			230 200 50 65 57 5					250 220 52		7A	
A 78A	2		SHLD A78	25N				E27-B	38N			10
A 78L			J4-CC	22N			12	J43-GG	22N			275
A 78R			J4-BB	22N			12	J43-FF	22N			275
A 78Y			J4-DD	22N			12	J43-HH	22N			275
A 79	14			280 250 50 65 57 5					250 220 52		7A	
A 79A	2		SHLD A79	25N				E27-B	38N			10
A 79L			J4-EE	22N			12	J43-DD	22N			275
A 79R			J4-FF	22N			12	J43-CC	22N			275
A 79Y			J4-GG	22N			12	J43-EE	22N			275

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 25 OF 150

CONDUCTOR NUMBER	ITEM NO.	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO.	TO NO.
A 80	10			330 300 50 64 56 5					250 220 52		7A	
A 80A	2		SHLD A80	25N				E27-B	38N			10
A 80L			J4-KK	22N			12	J43-L	22N			275
A 80R			J4-JJ	22N			12	J43-K	22N			275
A 81	1		J5-L	22N			16	J34-T	22N			301
A 82	3		J5-M	22N			16	TB17-12D	19N	43		261
A 83	10			280 250 50 64 56 5					250 200 52		7A	
A 83A	2		SHLD A83	25N				E57-B	38N			299
A 83L			J35-K*	22N			300	TB17-14R	19N	42		261
A 83R			J35-J*	22N			300	TB17-13B	19N	42		261
A 84	8			180 150 52 63 55 5					250 220 53		7A	
A 84A	2		SHLD A84	25N				E65-B	38N			276
A 84W			J43-R	22N			275	TB17-11D	19N	42		261
A 85	10			180 150 50 64 56 5					250 220 52		7A	
A 85A	2		SHLD A85	25N				E28-B	38N			14
A 85L			J5-D	22N			16	K38-13	31Y	48		217
A 85R			J5-C	22N			16	K38-10	31Y	89		217
A 86	10			250 200 50 64 56 5					250 220 52		7A	

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 26 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 1	T 2	TERMINATION SPEC. 1 ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 1	T 2	TERMINATION SPEC. 1 ITEM NO.	NO.
A 86A	2	SHLD A86	25N				E28-B	38N			14
A 86L		J5-F	22N			16	TB13- 8A	19Y		42	266
A 86R		J5-E	22N			16	TB13- 7A	19Y		42	266
A 87	1	J5-J	22N			16	J22-Y	22N			158
A 89	10		330	300	50 64 56 5			250	220 52	7A	
A 89A	2	SHLD A89	25N				E28-B	38N			14
A 89L		J5-P	22N			16	J42-I*	22N			279
A 89R		J5-R	22N			16	J42-H*	22N			279
A 90	10		180	150	50 64 56 5			250	220 52	7A	
A 90A	2	SHLD A90	25N				E28-B	38N			14
A 90L		J5-S	22N			16	K38- 7	31Y		48	217
A 90R		J5-R	22N			16	K38- 4	31Y		89	217
A 91	10		230	200	50 64 56 5			250	220 52	7A	
A 91A	2	SHLD A91	25N				E28-B	38N			14
A 91L		J5-U	22N			16	TB6-12D	19N		42	38
A 91R		J5-T	22N			16	TB6-14D	19N		42	38
A 92	10		280	250	50 64 56 5			250	220 52	7A	
A 92A	2	SHLD A92	25N				E28-B	38N			14

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 27 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 1	T 2	TERMINATION SPEC. 1 ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 1	T 2	TERMINATION SPEC. 1 ITEM NO.	NO.
A 92L		J5-W	22N			16	K54- 7	31Y		48	241
A 92R		J5-V	22N			16	K54- 4	31Y		48	241
A 93	10		330	300	50 64 56 5			250	220 52	7A	
A 93A	2	SHLD A93	25N				E28-B	38N			14
A 93L		J5-Y	22N			16	J42-K*	22N			279
A 93R		J5-X	22N			16	J42-J*	22N			279
A 94	10		180	150	50 64 56 5			250	220 57	7A	
A 94A	2	SHLD A94	25N				E28-B	38N			14
A 94L		J5-B*	22N			16	TB6-10D	19N		42	38
A 94R		J5-A*	22N			16	TB6- 9D	19N		42	38
A 95	10		230	200	50 64 56 5			250	220 52	7A	
A 95A	2	SHLD A95	25N				E28-B	38N			14
A 95L		J5-D*	22N			16	J22-A*	22N			158
A 95R		J5-C*	22N			16	J22-Z	22N			158
A 96	10		280	250	50 64 56 5			250	220 52	7A	
A 96A	2	SHLD A96	25N				E29-B	38N			15
A 96L		J5-F*	22N			16	J22-E	22N			158
A 96R		J5-E*	22N			16	J22-D	22N			158

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 28 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 1	T 2	TERMINATION SPEC. 1 ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 1	T 2	TERMINATION SPEC. 1 ITEM NO.	NO.
A 97	10		330	300	50 64 56 5			250	220 52	7A	
A 97A	2	SHLD A97	25N				E29-B	38N			15
A 97L		J5-H*	22N			16	J22-G	22N			158
A 97R		J5-G*	22N			16	J22-F	22N			158
A 98	10		180	150	50 64 56 5			250	220 52	7A	
A 98A	2	SHLD A98	25N				E29-B	38N			15
A 98L		J5-K*	22N			16	J42-Z	22N			279
A 98R		J5-J*	22N			16	J42-Y	22N			279
A 99	10		230	200	50 64 56 5			250	220 52	7A	
A 99A	2	SHLD A99	25N				E29-B	38N			15
A 99L		J5-N*	22N			16	J42-G*	22N			279
A 99R		J5-M*	22N			16	J42-F*	22N			279
A 100	10		280	250	50 64 56 5			250	220 52	7A	
A 100A	2	SHLD A100	25N				E29-B	38N			15
A 100L		J5-Q*	22N			16	J42-N*	22N			279
A 100R		J5-P*	22N			16	J42-M*	22N			279
A 101	10		330	300	50 64 56 5			250	220 52	7A	
A 101A	2	SHLD A101	25N				E29-B	38N			15

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 29 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 1	T 2	TERMINATION SPEC. 1 ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 1	T 2	TERMINATION SPEC. 1 ITEM NO.	NO.
A 101L		J5-S*	22N			16	J42-Q*	22N			279
A 101R		J5-R*	22N			16	J42-P*	22N			279
A 102	10		180	150	50 64 56 5			250	220 52	7A	
A 102A	2	SHLD A102	25N				E29-B	38N			15
A 102L		J5-V*	22N			16	TB17- 6A	19N		42	261
A 102R		J5-U*	22N			16	TB17- 5A	19N		42	261
A 103	10		230	200	50 64 56 5			250	220 52	7A	
A 103A	2	SHLD A103	25N				E29-B	38N			15
A 103L		J5-X*	22N			16	TB11-14B	19N		42	37
A 103R		J5-W*	22N			16	TB11-13B	19N		42	37
A 104	10		280	250	50 64 56 5			250	220 52	7A	
A 104A	2	SHLD A104	25N				E30-B	38N			13
A 104L		J5-Z*	22N			16	TB11- 7B	19N		42	37
A 104R		J5-Y*	22N			16	TB11- 8B	19N		42	37
A 105	10		330	300	50 64 56 5			250	220 52	7A	
A 105A	2	SHLD A105	25N				E30-B	38N			13
A 105L		J5-BB	22N			16	TB17- 4C	19N		42	261
A 105R		J5-AA	22N			16	TB17- 3C	19N		42	261

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 30 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC. (1) ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC. (1) ITEM NO.	TO NO.
A 106	10		180 150 50 64 56 5			250 220 52 7A	
A 106A	2	SHLD A106	25N		E30-B	38N	13
A 106L		J5-DD	22N	16	K48-10	31Y 48	227
A 106R		J5-CC	22N	16	K48- 7	31Y 48	227
A 107	10		230 200 50 64 56 5			250 220 52 7A	
A 107A	2	SHLD A107	25N		E30-B	38N	13
A 107L		J5-FF	22N	16	K48-16	31Y 48	227
A 107R		J5-EE	22N	16	K48-13	31Y 48	227
A 108	10		280 250 50 64 56 5			250 220 52 7A	
A 108A	2	SHLD A108	25N		E30-B	38N	13
A 108L		J5-HH	22N	16	TB17- 2C	19N 42	261
A 108R		J5-GG	22N	16	TB17- 1C	19N 42	261
A 109	10		330 300 50 64 56 5			250 220 52 7A	
A 109A	2	SHLD A109	25N		E30-B	38N	13
A 109L		J5-JJ	22N	16	K59-19	31Y 48	249
A 109R		J5-KK	22N	16	K59-16	31Y 48	249
A 110	10		180 150 50 64 56 5			250 220 52 7A	
A 110A	2	SHLD A110	25N		E30-B	38N	13

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 31 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC. (1) ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC. (1) ITEM NO.	TO NO.
A 110L		J5-MM	22N	16	K59-10	31Y 48	249
A 110R		J5-LL	22N	16	K59-13	31Y 48	249
A 111	10		230 200 50 64 56 5			250 220 52 7A	
A 111A	2	SHLD A111	25N		E30-B	38N	13
A 111L		J5-PP	22N	16	K54-13	31Y 48	241
A 111R		J5-NN	22N	16	K54-10	31Y 48	241
A 112	3	J6-A	28Y 46	17	E20-B	38N	22
A 113	17	J6-C	41Y 70	17	TB5- 9	41N 72	56
A 114	17	J6-D	41Y 70	17	TB8-10	41N 72	34
A 115	4	J6-G	41Y 46	17	TB8- 7	19N 40	34
A 116	4	J6-F	41Y 46	17	TB5-10	19N 40	53
A 117	3	J7-L	22N	20	E85-B	38N	18
A 118	3	J7-M	22N	20	E85-B	38N	18
A 119	3	J7-N	22N	20	E85-B	38N	18
A 120	3	J7-P	22N	20	E85-B	38N	18
A 121	3	J7-R	22N	20	E86-B	38N	19
A 122	3	J7-S	22N	20	E86-B	38N	19
A 123	3	J7-T	22N	20	E86-B	38N	19

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 32 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC. (1) ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC. (1) ITEM NO.	TO NO.
A 124	3	J7-U	22N	20	E86-B	38N	19
A 125	3	J7-X	22N	20	E1	31N 45	174
A 126	3	J7-Y	22N	20	E1	31N 45	174
A 127	3	J7-Z	22N	20	E1	31N 45	174
A 128	3	J7-C*	22N	20	TB5- 7	19N 39	58
A 129	3	J7-D*	22N	20	TB8- 5	19N 39	34
A 130	3	J7-E*	22N	20	TB5- 1	19N 39	67
A 131	3	J7-F*	22N	20	TB2- 1	19N 39	101
A 132	3	J7-G*	22N	20	TB4- 1	19N 39	89
A 133	3	J7-H*	22N	20	TB4- 9	19N 39	81
A 134	3	J7-I*	22N	20	TB2- 6	19N 39	95
A 135	3	J7-J*	22N	20	TB5- 6	19N 39	60
A 136	3	J7-K*	22N	20	TB13- 3A	19N 43	266
A 137	1	J7-R*	22N	20	K5- 6	31Y 47	48
A 138	1	J7-S*	22N	20	K5- 4	31Y 46	48
A 139	12		180 150 90 67 59 5			250 220 51 7A	
A 139A	2	SHLD A139	25N		E20-B	38N	22
A 139L		J7-U*	22N	20	TB17-10A	19N 43	261

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 33 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC. (1) ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC. (1) ITEM NO.	TO NO.
A 139R		J7-T*	22N	20	TB17- 9A	19N 43	261
A 140	1	J7-V*	22N	20	K4- 6	31Y 47	49
A 141	1	J7-W*	22N	20	K4- 4	31Y 46	49
A 142	3	J7-X*	22N	20	K6- 1	31Y 47	47
A 143	3	J7-Y*	22N	20	K1-X 1	19N 45	41
A 144	3	J7-Z*	22N	20	K1-X 2	19N 45	41
A 145	3	J7-AA	22N	20	XF19- 1	31Y	136
A 146	3	J7-BB	22N	20	TB7-16E	19N 43	35
A 147	1	J7-CC	22N	20	K3- 6	31Y 47	50
A 148	1	J7-DD	22N	20	K9- 4	31Y 47	50
A 149	3	J7-EE	22N	20	K2-11	19N 45	52
A 150	3	J7-FF	22N	20	K2-X 1	19N 45	51
A 151	3	J7-GG	22N	20	TB3- 6	19N 39	72
A 152	3	J7-HH	22N	20	TB3- 1	19N 39	79
A 153	3	J8-T	22N	25	J39-H*	22N	291
A 154	1	J8-U	22N	25	J27-LL	22N	168
A 155	1	J8-V	22N	25	J27-Z*	22N	168
A 156	3	J8-W	22N	25	J27-FF	22N	168

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 34 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. (3)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (1)	B	TERMINATION SPEC. (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (1)	B	TERMINATION SPEC. (1) ITEM NO.	NO.
A 158	1	J8-Y	22N			25	J27-HH	22N			168
A 159	1	J8-Z	22N			25	J27-JJ	22N			168
A 160	1	J8-A*	22N			25	P11-C*	31Y			113
A 161	1	J8-B*	22N			25	P10-A	31Y			112
A 162	1	J8-C*	22N			25	P10-B	31Y			112
A 163	1	J8-D*	22N			25	P10-C	31Y			112
A 164	1	J8-E*	22N			25	P10-D	31Y			112
A 165	1	J8-F*	22N			25	P10-E	31Y			112
A 166	1	J8-G*	22N			25	P10-F	31Y			112
A 167	1	J8-H*	22N			25	P10-G	31Y			112
A 168	1	J8-J*	22N			25	P10-H	31Y			112
A 169	1	J8-K*	22N			25	P10-J	31Y			112
A 170	1	J8-M*	22N			25	P8-K	31Y			115
A 171	1	J8-N*	22N			25	P8-W	31Y			115
A 172	1	J8-P*	22N			25	P9-D	31Y			116
A 173	1	J8-Q*	22N			25	P9-P	31Y			116
A 174	1	J8-R*	22N			25	P9-A*	31Y			116
A 175	1	J8-U*	22N			25	K7- 5	31Y		49	46

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 35 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. (3)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (1)	B	TERMINATION SPEC. (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (1)	B	TERMINATION SPEC. (1) ITEM NO.	NO.
A 176	1	J8-V*	22N			25	K7- 3	31Y		49	46
A 177	1	J8-X*	22N			25	J34-N*	22N			301
A 178	1	J8-Y*	22N			25	J34-P*	22N			301
A 179	1	J8-Z*	22N			25	J34-R*	22N			301
A 180	1	J8-AA	22N			25	J34-V*	22N			301
A 181	3	J8-BB	22N			25	J34-K	22N			301
A 182	1	J8-CC	22N			25	J34-HH	22N			301
A 183	1	J8-DD	22N			25	J39-A*	22N			291
A 184	7		180	150	52 63 54 5			200	170	53	7A
A 184A	2	SHLD A184	25N				E91-B	38N			21
A 184W		J8-EE	22N			25	J39-D*	22N			291
A 185	3	J8-FF	22N			25	J39-R*	22N			291
A 186	1	J8-GG	22N			25	J39-U*	22N			291
A 187	7		230	200	52 63 54 5			200	170	53	7A
A 187A	2	SHLD A187	25N				E91-B	38N			21
A 187W		J8-HH	22N			25	J39-X*	22N			291
A 188	1	J8-J	22N			25	J39-Y*	22N			291
A 189	1	J8-K	22N			25	J39-Z*	22N			291

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 36 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. (3)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (1)	B	TERMINATION SPEC. (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (1)	B	TERMINATION SPEC. (1) ITEM NO.	NO.
A 190	7		280	250	52 63 54 5			200	170	53	7A
A 190A	2	SHLD A190	25N				E91-B	38N			21
A 190W		J8-L	22N			25	J99-AA	22N			291
A 191	7		330	300	52 63 54 5			200	170	53	7A
A 191A	2	SHLD A191	25N				E91-B	38N			21
A 191W		J8-M	22N			25	J45-FF	22N			268
A 192	1	J8-N	22N			25	J39-FF	22N			291
A 193	3	J9-Y	22N			26	K65- 1	31Y		49	255
A 194	1	J9-Z	22N			26	J27-X*	22N			168
A 195	3	J9-A*	22N			26	K23- 9	31Y		49	209
A 196	3	J9-B*	22N			26	K23- 1	31Y		49	203
A 197	3	J9-C*	22N			26	K24- 1	31Y		49	204
A 198	3	J9-D*	22N			26	K24- 6	31Y		49	204
A 199	3	J9-E*	22N			26	K39- 6	31Y		49	218
A 200	3	J9-F*	22N			26	K39- 1	31Y		49	218
A 201	3	J9-G*	22N			26	K22- 3	31Y		49	202
A 202	3	J9-H*	22N			26	K22- 1	31Y		49	202
A 203	3	J9-J*	22N			26	K55- 1	31Y		49	242

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 37 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. (3)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (1)	B	TERMINATION SPEC. (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (1)	B	TERMINATION SPEC. (1) ITEM NO.	NO.
A 204	3	J9-K*	22N			26	K40- 1	31Y		49	219
A 205	3	J9-M*	22N			26	K41- 1	31Y		49	220
A 206	3	J9-N*	22N			26	K56- 1	31Y		49	243
A 207	3	J9-P*	22N			26	K57- 1	31Y		49	247
A 208	3	J9-Q*	22N			26	K42- 1	31Y		49	221
A 209	3	J9-R*	22N			26	K44- 3	31Y		49	223
A 210	3	J9-S*	22N			26	K44- 1	31Y		49	223
A 211	3	J9-T*	22N			26	K61- 1	31Y		49	251
A 212	3	J9-U*	22N			26	K46- 1	31Y		49	225
A 213	3	J9-V*	22N			26	K48- 3	31Y		49	227
A 214	3	J9-W*	22N			26	K48- 1	31Y		49	227
A 215	3	J9-X*	22N			26	K50- 1	31Y		49	229
A 216	3	J9-Y*	22N			26	K52- 3	31Y		49	231
A 217	3	J9-Z*	22N			26	K52- 1	31Y		49	231
A 218	3	J9-AA	22N			26	K33- 4	31Y		47	212
A 219	3	J9-BB	22N			26	K33-11	31Y		47	212
A 220	3	J9-CC	22N			26	K36- 4	31Y		47	215
A 221	3	J9-DD	22N			26	K31- 4	31Y		46	210

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 38 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC. ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC. ITEM NO.	TO NO.
A 222	3	J9-EE	22N	26	K31-11	31Y 46	210
A 223	3	J9-FF	22N	26	TB12-38	25Y	199
A 224	3	J9-GG	22N	26	TB12-37	25Y	198
A 225	1	J9-HH	22N	26	TB1- 2	25Y	110
A 226	1	J9-JJ	22N	26	K7- 8	31Y 49	46
A 227	3	J9-KK	22N	26	K54- 1	31Y 49	241
A 228	1	J9-LL	22N	26	J27-W	22N	168
A 229	3	J9-MM	22N	26	J27-U*	22N	168
A 231	1	J9-PP	22N	26	J27-W*	22N	168
A 232	11		180 150 51 87 86 5			250 220 51 7A	
A 232A	2	SHLD A232	25N		E32-B	38N	27
A 232L		J10-D	22N	29	K42- 8	31Y 48	221
A 232R		J10-C	22N	29	K42-11	31Y 48	221
A 233	11		230 200 51 87 86 5			250 220 51 7A	
A 233A	2	SHLD A233	25N		E32-B	38N	27
A 233L		J10-F	22N	29	K46- 8	31Y 48	225
A 233R		J10-E	22N	29	K46-11	31Y 48	225
A 234	11		280 250 51 87 86 5			250 220 51 7A	

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE-NONE | REV LTR AB | SHEET 39 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC. ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC. ITEM NO.	TO NO.
A 234A	2	SHLD A234	25N		E32-B	38N	27
A 234L		J10-H	22N	29	K50- 8	31Y 48	229
A 234R		J10-G	22N	29	K50-11	31Y 48	229
A 235	12		330 300 90 67 59 5			250 220 51 7A	
A 235A	2	SHLD A235	25N		E32-B	38N	27
A 235L		J10-N	22N	29	TB6- 5C	19N 43	38
A 235R		J10-M	22N	29	TB6- 2C	19N 43	38
A 236	10		180 150 50 64 56 5			250 220 52 7A	
A 236A	2	SHLD A236	25N		E32-B	38N	27
A 236L		J10-U	22N	29	K51-14	31Y 48	230
A 236R		J10-T	22N	29	K51-17	31Y 48	230
A 237	10		230 200 50 64 56 5			250 220 52 7A	
A 237A	2	SHLD A237	25N		E32-B	38N	27
A 237L		J10-W	22N	29	K46-14	31Y 48	225
A 237R		J10-V	22N	29	K46-17	31Y 48	225
A 238	10		280 250 50 64 56 5			250 220 52 7A	
A 238A	2	SHLD A238	25N		E32-B	38N	27
A 238L		J10-Y	22N	29	K42-14	31Y 48	221

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712 | SCALE-NONE | REV LTR AB | SHEET 40 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC. ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC. ITEM NO.	TO NO.
A 238R		J10-X	22N	29	K42-17	31Y 48	221
A 239	10		250 220 50 64 56 5			250 220 52 7A	
A 239A	2	SHLD A239	25N		E32-B	38N	27
A 239L		J10-N*	22N	29	K68-10	31Y 48	258
A 239R		J10-M*	22N	29	K68-13	31Y 48	258
A 240	10		330 300 50 64 56 5			250 220 52 7A	
A 240A	2	SHLD A240	25N		E32-B	38N	27
A 240L		J10-Q*	22N	29	K64-13	31Y 48	254
A 240R		J10-P*	22N	29	K64-10	31Y 48	254
A 241	10		180 150 50 64 56 5			250 220 52 7A	
A 241A	2	SHLD A241	25N		E33-B	38N	28
A 241L		J10-S*	22N	29	K45-10	31Y 48	224
A 241R		J10-R*	22N	29	K45-13	31Y 48	224
A 242	10		230 200 50 64 56 5			250 220 52 7A	
A 242A	2	SHLD A242	25N		E33-B	38N	28
A 242L		J10-U*	22N	29	K67- 4	31Y 48	257
A 242R		J10-T*	22N	29	K67- 7	31Y 48	257
A 243	10		280 250 50 64 56 5			250 220 52 7A	

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712 | SCALE-NONE | REV LTR AB | SHEET 41 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC. ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC. ITEM NO.	TO NO.
A 243A	2	SHLD A243	25N		E33-B	38N	28
A 243L		J10-BB	22N	29	K63- 4	31Y 48	253
A 243R		J10-AA	22N	29	K63- 7	31Y 48	253
A 244	10		330 300 50 64 56 5			250 220 52 7A	
A 244A	2	SHLD A244	25N		E33-B	38N	28
A 244L		J10-DD	22N	29	K45- 7	31Y 48	224
A 244R		J10-CC	22N	29	K45- 4	31Y 48	224
A 248	12		330 300 90 67 59 5			250 220 51 7A	
A 248A	2	SHLD A248	25N		E33-B	38N	28
A 248L		J10-PP	22N	29	K21- 3	31Y 92	180
A 248R		J10-NN	22N	29	K21- 5	31Y 92	180
A 249	8		180 150 52 63 55 5			200 170 53 7A	
A 249A	2	SHLD A249	25N		E34-B	38N	31
A 249W		J11-F	22N	32	J25-P*	22N	154
A 250	1	J11-G	22N	32	E92-B	38N	148
A 251	7		180 150 52 63 54 5			200 170 53 7A	
A 251A	2	SHLD A251	25N		E34-B	38N	31
A 251W		J11-H	22N	32	J39-GG	22N	291

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE-NONE | REV LTR AB | SHEET 42 OF 150

CONDUCTOR NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC. ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC. ITEM NO.	TO NO.
A 252	1	U11-J	22N	32	E92-B	38N	148
A 255	12	230 200 90 67 59 5			250 220 51	7A	
A 255A	2	SHLD A255	25N		E34-B	38N	31
A 255L		U11-P	22N	32	TB7-10C	19N 43	33
A 255R		U11-N	22N	32	TB7- 9C	19N 43	33
A 256	10	280 250 50 64 56 5			250 220 52	7A	
A 256A	2	SHLD A256	25N		E34-B	38N	31
A 256L		U11-S	22N	32	K31- 5	31Y 46	210
A 256R		U11-R	22N	32	K31-10	31Y 46	210
A 257	10	330 300 50 64 56 5			250 220 52	7A	
A 257A	2	SHLD A257	25N		E34-B	38N	31
A 257L		U11-U	22N	32	K32- 3	31Y 46	211
A 257R		U11-T	22N	32	K32- 5	31Y 46	211
A 258	10	180 150 50 64 56 5			250 220 52	7A	
A 258A	2	SHLD A258	25N		E34-B	38N	31
A 258L		U11-W	22N	32	K32-10	31Y 47	211
A 258R		U11-V	22N	32	K32-12	31Y 47	211
A 259	10	290 200 50 64 56 5			250 220 52	7A	

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AB | SHEET 43 OF 150

CONDUCTOR NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC. ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC. ITEM NO.	TO NO.
A 259A	2	SHLD A259	25N		E34-B	38N	91
A 259L		U11-Y	22N	32	K35- 5	31Y 46	214
A 259R		U11-X	22N	32	K35- 3	31Y 46	214
A 260	10	280 250 50 64 56 5			250 220 52	7A	
A 260A	2	SHLD A260	25N		E34-A	38N	31
A 260L		U11-B*	22N	32	K35-12	31Y 46	214
A 260R		U11-A*	22N	32	K35-10	31Y 46	214
A 261	3	J5-K	22N	16	TB16- 1	19N 39	262
A 262	1	J8-S	22N	25	J34-DD	22N	901
A 263		DELETED					
A 264	3	J24-E	22N	175	TB13-14F	19N 43	266
A 265	1	J25-K*	22N	154	TR13-10D	19N 42	266
A 266	1	J37-CC	22N	295	TB13-14A	19N 42	266
A 267	6	U21-H	41Y 46	149	TR4-10	31M 41	80
A 268	12	280 250 90 67 59 5			250 220 51	7A	
A 268A	2	SHLD A268	25N		E36-B	38N	155
A 268L		J21-N	25Y	149	TB17-10D	19N 43	261
A 268R		J21-M	25Y	149	TB17- 9D	19N 43	261

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AB | SHEET 44 OF 150

CONDUCTOR NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC. ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC. ITEM NO.	TO NO.
A 269	6	J21-P	41Y 46	149	TB4- 2	31N 41	87
A 270	10	280 250 50 64 56 5			280 250 52	7A	
A 270A	2	SHLD A270	25N		E93-B	38N	172
A 270L		J24-KK	22N	173	TR13-20C	19N 42	266
A 270R		J24-JJ	22N	173	TB13-19C	19N 42	266
A 271	1	J31-K*	22N	311	TB17-13C	19N 42	261
A 272	7	230 200 52 63 54 5			230 200 53	7A	
A 272A	2	SHLD A272	25N		E94-B	38N	303
A 272M		J34-A	22N	301	XF17- 1	31Y	130
A 273	7	230 200 52 63 54 5			200 170 53	7A	
A 273A	2	SHLD A273	25N		E94-B	38N	309
A 273M		J34-E	22N	301	XF18- 1	31Y	129
A 274	3	J34-G	22N	301	E87-B	38N	263
A 275	3	J34-J	22N	301	E87-R	38N	263
A 276	1	J34-S	22N	301	J44-N	22N	274
A 277	16	280 250 90 68 60 5			280 250 51	7A	
A 277A	2	SHLD A277	25N		E57-B	38N	299
A 277L		J35-J	22N	300	TB6-10B	19N 43	38

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AB | SHEET 45 OF 150

CONDUCTOR NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC. ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC. ITEM NO.	TO NO.
A 277R		J35-K	22N	300	TB6-11B	19N 43	38
A 277Y		J35-H	22N	300	TB6- 9B	19N 43	38
A 278	14	280 250 50 65 57 5			250 220 52	7A	
A 278A	2	SHLD A278	25N		E57-B	38N	299
A 278L		J35-T	22N	300	TB6-13B	19N 42	38
A 278R		J35-R	22N	300	TB6-14R	19N 42	38
A 278Y		J35-[illegible]	22N	300	TB6-12B	19N 42	38
A 279	1	J11-I*	[illegible]2N	32	J25-J	22N	154
A 280	10	330 300 50 64 56 5			250 220 52	7A	
A 280A	2	SHLD A280	25N		E34-B	38N	31
A 280L		J11-D*	22N	32	K34- 5	31Y 46	213
A 280R		J11-C*	22N	32	K34- 3	31Y 46	213
A 281	14	180 150 50 65 57 5			250 220 52	7A	
A 281A	2	SHLD A281	25N		E34-B	38N	31
A 281L		J11-G*	22N	32	K37- 7	31Y 48	216
A 281R		J11-E*	22N	32	K37-10	31Y 48	216
A 281Y		J11-F*	22N	32	K37- 4	31Y 48	216
A 282	5	J11-H*	22N	32	J25-CC	22N	154

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AB | SHEET 46 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	3	TERMINATION SPEC 1 ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	3	TERMINATION SPEC 1 ITEM NO.	NO.
A 283	1		J11-K*	22N			32	J25-H	22N			154
A 284	1		J11-M*	22N			32	J25-FF	22N			154
A 285	1		J11-N*	22N			32	J25-GG	22N			154
A 286	3		J11-P*	22N			32	J25-S*	22N			154
A 287	3		J11-Q*	22N			32	J25-T*	22N			154
A 288	3		J11-R*	22N			32	TB12-19	25Y			191C
A 289	3		J11-S*	22N			32	TB13-12E	19N		43	266
A 290	3		J11-T*	22N			32	E92-B	38N			148
A 291	10			230	200 50 64 56 5				250	220 52		7A
A 291A	2		SHLD A291	25N				E35-A	38N			30
A 291L			J11-V*	22N			32	J25-V*	22N			154
A 291R			J11-U*	22N			32	J25-U*	22N			154
A 292	10			280	250 50 64 56 5				250	220 52		7A
A 292A	2		SHLD A292	25N				E35-B	38N			30
A 292L			J11-X*	22N			32	J25-X*	22N			154
A 292R			J11-W*	22N			32	J25-W*	22N			154
A 293	10			330	300 50 64 56 5				250	220 52		7A
A 293A	2		SHLD A293	25N				E35-B	38N			30

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 47 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	3	TERMINATION SPEC 1 ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	3	TERMINATION SPEC 1 ITEM NO.	NO.
A 293L			J11-Z*	22N			32	J25-Z*	22N			154
A 293R			J11-Y*	22N			32	J25-Y*	22N			154
A 294	3		J11-AA	22N			32	TB12-17	25Y			191A
A 295	3		J11-BB	22N			32	TB14- 6	19N		39	265
A 296	10			180	150 50 64 56 5				250	220 52		7A
A 296A	2		SHLD A296	25N				E35-B	38N			30
A 296L			J11-DD	22N			32	J25-H*	22N			154
A 296R			J11-CC	22N			32	J25-G*	22N			154
A 297	1		J11-LL	22N			32	J25-AA	22N			154
A 298	1		J11-MM	22N			32	J25-BB	22N			154
A 299	1		J11-NN	22N			32	J25-DD	22N			154
A 300	1		J11-PP	22N			32	J25-EE	22N			154
A 301	6		J21-A	41Y		46	149	TB2- 9	31N		41	91
A 302	6		J21-B	41Y		46	149	TB2-10	31N		41	90
A 303	6		J21-C	41Y		46	149	TB2- 3	31N		41	98
A 304	6		J21-D	41Y		46	149	TB2- 2	31N		41	99
A 305	6		J21-E	41Y		46	149	TB16- 2	31N		41	262
A 306	6		J21-F	41Y		46	149	TB16- 4	31N		41	262

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 48 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	3	TERMINATION SPEC 1 ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	3	TERMINATION SPEC 1 ITEM NO.	NO.
A 307	6		J21-G	41Y		46	149	TB15- 1	31N		41	264
A 308	4		J21-K	28Y		47	149	TB5- 4	19N		40	63
A 309	4		J21-L	28Y		47	149	TB5- 3	19N		40	64
A 310	3		J22-B	22N			158	E37-B	38N			156
A 311	10			180	150 50 64 56 5				250	220 52		7A
A 311A	2		SHLD A311	25N				E37-B	38N			156
A 311L			J22-K	22N			158	K67-10	31Y		48	257
A 311R			J22-H	22N			158	K67-13	31Y		48	257
A 312	1		J22-J	22N			158	TB11- 7F	19N		42	37
A 313	10			230	200 50 64 56 5				250	220 52		7A
A 313A	2		SHLD A313	25N				E36-B	38N			155
A 313L			J22-C*	22N			158	K44-10	31Y		48	223
A 313R			J22-B*	22N			158	K44- 7	31Y		48	223
A 314	10			280	250 50 64 56 5				250	220 52		7A
A 314A	2		SHLD A314	25N				E36-B	38N			155
A 314L			J22-E*	22N			158	K44-16	31Y		48	233
A 314R			J22-D*	22N			158	K44-13	31Y		48	233
A 315	10			330	300 50 64 56 5				250	220 52		7A

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 49 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	3	TERMINATION SPEC 1 ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	3	TERMINATION SPEC 1 ITEM NO.	NO.
A 315A	2		SHLD A315	25N				E36-B	38N			155
A 315L			J22-G*	22N			158	K59- 4	31Y		48	249
A 315R			J22-F*	22N			158	K59- 7	31Y		48	249
A 316	10			180	150 50 64 56 5				250	220 52		7A
A 316A	2		SHLD A316	25N				E36-B	38N			155
A 316L			J22-I*	22N			158	K60-10	31Y		48	250
A 316R			J22-H*	22N			158	K60-13	31Y		48	250
A 317	14			230	200 50 65 57 5				250	220 52		7A
A 317A	2		SHLD A317	25N				E37-R	38N			156
A 317L			J22-M*	22N			158	K43- 4	31Y		49	222
A 317R			J22-J*	22N			158	K43-10	31Y		49	222
A 317Y			J22-K*	22N			158	K43- 7	31Y		48	222
A 318	10			280	250 50 64 56 5				250	220 52		7A
A 318A	2		SHLD A318	25N				E37-B	38N			156
A 318L			J22-P*	22N			158	K63-16	31Y		48	253
A 318R			J22-N*	22N			158	K63-19	31Y		48	253
A 319	10			330	300 50 64 56 5				250	220 52		7A
A 319A	2		SHLD A319	25N				E37-B	38N			156

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 50 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO. 2>	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 2> N	ITEM NO.	TERMINATION SPEC 1>	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 2> N	ITEM NO.	TERMINATION SPEC 1>	NO.
A 319L			J22-R*	22N			158	K63-10	31Y	48		253
A 319R			J22-Q*	22N			158	K63-13	31Y	48		253
A 320	10			180	150 50 64 56 5				250	220 52	7A	
A 320A	2		SHLD A320	25N				E37-B	38N			156
A 320L			J22-T*	22N			158	K49- 7	31Y	48		228
A 320R			J22-S*	22N			158	K49- 4	31Y	48		228
A 321	10			230	200 50 64 56 5				250	220 52	7A	
A 321A	2		SHLD A321	25N				E37-B	38N			156
A 321L			J22-V*	22N			158	K49-13	31Y	48		228
A 321R			J22-U*	22N			158	K49-10	31Y	48		228
A 322	1		J22-Y*	22N			158	TB11-13F	19N	42		37
A 323	10			280	250 50 64 56 5				250	220 52	7A	
A 323A	2		SHLD A323	25N				E37-B	38N			156
A 323L			J22-Z*	22N			158	K67-16	31Y	48		257
A 323R			J22-X*	22N			158	K67-19	31Y	48		257
A 324	10			330	300 50 64 56 5				250	220 52	7A	
A 324A	2		SHLD A324	25N				E38-B	38N			157
A 324L			J22-BB	22N			158	K53- 7	31Y	48		232

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 51 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO. 2>	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 2> N	ITEM NO.	TERMINATION SPEC 1>	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 2> N	ITEM NO.	TERMINATION SPEC 1>	NO.
A 324R			J22-AA	22N			158	K53- 4	31Y	48		232
A 325	10			180	150 50 64 56 5				250	220 52	7A	
A 325A	2		SHLD A325	25N				E38-B	38N			157
A 325L			J22-DD	22N			158	K53-13	31Y	48		232
A 325R			J22-CC	22N			158	K53-10	31Y	48		232
A 326	10			230	200 50 64 56 5				250	220 52	7A	
A 326A	2		SHLD A326	25N				E38-B	38N			157
A 326L			J22-FF	22N			158	K38-13	31Y			217
A 326R			J22-EE	22N			158	K38-10	31Y			217
A 327	10			280	250 50 64 56 5				250	220 52	7A	
A 327A	2		SHLD A327	25N				E38-B	38N			157
A 327L			J22-HH	22N			158	TB13- 8B	19N	42		266
A 327R			J22-GG	22N			158	TB13- 7B	19N	42		266
A 328	10			330	300 50 64 56 5				250	220 52	7A	
A 328A	2		SHLD A328	25N				E38-B	38N			157
A 328L			J22-KK	22N			158	K38- 7	31Y			217
A 328R			J22-JJ	22N			158	K38- 4	31Y			217
A 329	10			180	150 50 64 56 5				250	220 52	7A	

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 52 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO. 2>	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 2> N	ITEM NO.	TERMINATION SPEC 1>	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 2> N	ITEM NO.	TERMINATION SPEC 1>	NO.
A 329A	2		SHLD A329	25N				E38-B	38N			157
A 329L			J22-MM	22N			158	K54-13	31Y			241
A 329R			J22-LL	22N			158	K54-10	31Y			241
A 330	10			230	200 50 64 56 5				250	220 52	7A	
A 330A	2		SHLD A330	25N				E38-B	38N			157
A 330L			J22-PP	22N			158	K54- 7	31Y			241
A 330R			J22-NN	22N			158	K54- 4	31Y			241
A 331	12			180	150 90 67 59 5				250	220 51	7A	
A 331A	2		SHLD A331	25N				E89-B	38N			162
A 331L			J23-B	22N			165	TB13-14D	19N	43		266
A 331R			J23-A	22N			165	TB13-13D	19N	43		266
A 332	3		J23-C	22N			165	E89-B	38N			162
A 333	1		J38-AA	22N			293	TB13-12D	19N	42		266
A 334	14			290	200 50 65 57 5				250	220 52	7A	
A 334A	2		SHLD A334	25N				E89-B	38N			162
A 334L			J23-F	22N			165	TB6-13C	19N	42		38
A 334R			J23-E	22N			165	TB6-14C	19N	42		38
A 334Y			J23-G	22N			165	TB6-12C	19N	42		38

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 53 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO. 2>	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 2> N	ITEM NO.	TERMINATION SPEC 1>	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 2> N	ITEM NO.	TERMINATION SPEC 1>	NO.
A 335	3		J23-H	22N			165	E89-B	38N			162
A 336	12			280	250 90 67 59 5				250	220 51	7A	
A 336A	2		SHLD A336	25N				E89-B	38N			162
A 336L			J23-K	22N			165	TB13-18B	19N	43		266
A 336R			J23-J	22N			165	TB13-17B	19N	43		266
A 337	10			330	300 50 64 56 5				250	220 52	7A	
A 337A	2		SHLD A337	25N				E89-B	38N			162
A 337L			J23-P	22N			165	J41-M*	22N			280
A 337R			J23-N	22N			165	J41-K*	22N			280
A 338	3		J23-R	22N			165	E89-B				162
A 339	14			180	150 50 65 57 5				250	220 52	7A	
A 339A	2		SHLD A339	25N				E90-B	38N			163
A 339L			J23-T	22N			165	J41-T	22N			280
A 339R			J23-S	22N			165	J41-U	22N			280
A 339Y			J23-U	22N			165	J41-S	22N			280
A 340	10			230	200 50 64 56 5				250	220 52	7A	
A 340A	2		SHLD A340	25N				E90-B	38N			163
A 340L			J23-W	22N			165	J35-V	22N			300

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 54 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (1)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (1)	B (2)	TERMINATION SPEC. (1)	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (1)	B (2)	TERMINATION SPEC. (1)	ITEM NO.	NO.
A 340R		J23-V	22N				165	J35-U	22N				300
A 341	10		280	250	50 64 56 5				250	220	52	7A	
A 341A	2	SHLD A341	25N					E90-B	38N				163
A 341L		J23-Y	22N				165	J35-X	22N				300
A 341R		J23-X	22N				165	J35-W	22N				300
A 342	16		330	300	90 68 60 5				250	220	51	7A	
A 342A	2	SHLD A342	25N					E90-B	38N				163
A 342L		J23-C*	22N				165	T86-10C	19N		43		38
A 342R		J23-B*	22N				165	T86-11C	19N		43		38
A 342Y		J23-D*	22N				165	T86- 9C	19N		43		38
A 343	11		180	150	51 87 86 5				250	220	51	7A	
A 343A	2	SHLD A343	25N					E90-B	38N				163
A 343L		J23-F*	22N				165	J41-W	22N				280
A 343R		J23-E*	22N				165	J41-V	22N				280
A 344	14		230	200	50 65 57 5				250	220	52	7A	
A 344A	2	SHLD A344	25N					E90-P	38N				163
A 344L		J23-I*	22N				165	J41-X	22N				280
A 344R		J23-G*	22N				165	J41-Y	22N				280

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 55 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (1)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (1)	B (2)	TERMINATION SPEC. (1)	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (1)	B (2)	TERMINATION SPEC. (1)	ITEM NO.	NO.
A 344Y		J23-H*	22N				165	J41-Z	22N				280
A 345	10		280	250	50 64 56 5				250	220	52	7A	
A 345A	2	SHLD A345	25N					E90-B	38N				163
A 345L		J23-K*	22N				165	TB7- 4B	19N		42		33
A 345R		J23-J*	22N				165	TB7- 3B	19N		42		33
A 346	10		330	300	50 64 56 5				250	220	52	7A	
A 346A	2	SHLD A346	25N					E90-B	38N				163
A 346L		J23-N*	22N				165	TB13- 5A	19N		42		266
A 346R		J23-M*	22N				165	TB13- 4A	19N		42		266
A 347	10		180	150	50 64 56 5				250	220	52	7A	
A 347A	2	SHLD A347	25N					E90-B	38N				163
A 347L		J23-S*	22N				165	TB6- 4A	19N		42		38
A 347R		J23-R*	22N				165	TB6- 1A	19N		42		38
A 348	9	J23-T*	22N				165	E84-B	N				150
A 349	16		230	200	90 68 60 5				250	220	51	7A	
A 349A	2	SHLD A349	25N					E42-B	38N				171
A 349L		J24-B	22N				173	J35-G	22N				300
A 349R		J24-A	22N				173	J35-E	22N				300

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 56 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (1)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (1)	B (2)	TERMINATION SPEC. (1)	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (1)	B (2)	TERMINATION SPEC. (1)	ITEM NO.	NO.
A 349Y		J24-C	22N				173	J35-F	22N				300
A 350	9		280	250	52 63 59 5				200	170	53	7A	
A 350A	2	SHLD A350	25N					E41-R	38N				170
A 350W		J24-D	22N				173	J44-V	22N				274
A 351	14		330	300	50 65 57 5				250	220	52	7A	
A 351A	2	SHLD A351	25N					E41-B	38N				170
A 351L		J24-G	22N				173	J35-V*	22N				300
A 351R		J24-F	22N				173	J35-W*	22N				300
A 351Y		J24-H	22N				173	J35-X*	22N				300
A 352	10		180	150	50 64 56 5				250	220	52	7A	
A 352A	2	SHLD A352	25N					E41-B	38N				170
A 352L		J24-K	22N				173	TB13-20B	19N		42		266
A 352R		J24-J	22N				173	TB13-19B	19N		42		266
A 353	10		180	150	50 64 56 5				250	220	52	7A	
A 353A	2	SHLD A353	25N					E93-B	38N				172
A 353L		J24-M	22N				173	TB6- 5B	19N		42		38
A 353R		J24-L	22N				173	TB6- 2B	19N		42		38
A 355	9	J24-R	22N				173	E84-B	N				150

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 57 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (1)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (1)	B (2)	TERMINATION SPEC. (1)	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (1)	B (2)	TERMINATION SPEC. (1)	ITEM NO.	NO.
A 356	3	J24-S	22N				173	E93-B	38N				172
A 357	3	J24-T	22N				173	E93-B	38N				172
A 358	3	J24-U	22N				173	E93-B	38N				172
A 359	10		230	200	50 64 56 5				250	220	52	7A	
A 359A	2	SHLD A359	25N					E93-B	38N				172
A 359L		J24-Y	22N				173	J42-DD	22N				279
A 359R		J24-Z	22N				173	J42-CC	22N				279
A 360	10		280	250	50 64 56 5				250	220	52	7A	
A 360A	2	SHLD A360	25N					E41-B	38N				170
A 360L		J24-B*	22N				173	J42-BB	22N				279
A 360R		J24-A*	22N				173	J42-AA	22N				279
A 361	10		330	300	50 64 56 5				250	220	52	7A	
A 361A	2	SHLD A361	25N					E41-B	38N				170
A 361L		J24-D*	22N				173	J41-Z*	22N				280
A 361R		J24-C*	22N				173	J41-Y*	22N				280
A 362	10		180	150	50 64 56 5				250	220	52	7A	
A 362A	2	SHLD A362	25N					E41-B	38N				170
A 362L		J24-F*	22N				173	TB7- 5A	19N		42		33

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 58 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT (2)	FROM ITEM NO.	FROM TERMINATION SPEC. (1)	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT (2)	TO ITEM NO.	TO TERMINATION SPEC. (1)	TO NO.
A 362R		J24-E*	22N			173	TB7- 6A	19N	42		93
A 363	10		230	200 50 64 56 5				250 220 52		7A	
A 363A	2	SHLD A363	25N				E41-B	38N			170
A 363L		J24-G*	22N			173	TB17-17A	19N	42		261
A 363R		J24-H*	22N			173	TB17-18A	19N	42		261
A 364	11		280	250 51 87 86 5				250 220 51		7A	
A 364A	2	SHLD A364	25N				E41-B	38N			170
A 364L		J24-M*	22N			173	J41-CC	22N			280
A 364R		J24-K*	22N			173	J41-BB	22N			280
A 365	10		330	300 50 64 56 5				250 220 52		7A	
A 365A	2	SHLD A365	25N				E41-B	38N			170
A 365L		J24-P*	22N			173	J42-HH	22N			279
A 365R		J24-N*	22N			173	J42-GG	22N			279
A 366	10		180	150 50 64 56 5				250 220 52		7A	
A 366A	2	SHLD A366	25N				E42-B	38N			171
A 366L		J24-R*	22N			173	J42-EE	22N			279
A 366R		J24-Q*	22N			173	J42-FF	22N			279
A 368	11		230	200 51 87 86 5				250 220 51		7A	

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 59 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT (2)	FROM ITEM NO.	FROM TERMINATION SPEC. (1)	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT (2)	TO ITEM NO.	TO TERMINATION SPEC. (1)	TO NO.
A 368A	2	SHLD A368	25N				E42-B	38N			171
A 368L		J24-V*	22N			173	J41-EE	22N			280
A 368R		J24-U*	22N			173	J41-DD	22N			280
A 369	10		280	250 50 64 56 5				250 220 52		7A	
A 369A	2	SHLD A369	25N				E42-B	38N			171
A 369L		J24-X*	22N			173	TB13- 5B	19N	42		266
A 369R		J24-W*	22N			173	TB13- 4B	19N	42		266
A 370	10		330	300 50 64 56 5				250 220 52		7A	
A 370A	2	SHLD A370	25N				E42-B	38N			171
A 370L		J24-Y*	22N			173	TB7- 3A	19N	42		93
A 370R		J24-Z*	22N			173	TB7- 4A	19N	42		93
A 371	10		180	150 50 64 56 5				250 220 52		7A	
A 371A	2	SHLD A371	25N				E42-B	38N			171
A 371L		J24-HH	22N			173	J41-FF	22N			280
A 371R		J24-BB	22N			173	J41-GG	22N			280
A 372	10		230	200 50 64 56 5				250 220 52		7A	
A 372A	2	SHLD A372	25N				E42-B	38N			171
A 372L		J24-DD	22N			173	TB13-18C	19N	42		266

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 60 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT (2)	FROM ITEM NO.	FROM TERMINATION SPEC. (1)	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT (2)	TO ITEM NO.	TO TERMINATION SPEC. (1)	TO NO.
A 372R		J24-CC	22N			173	TB13-17C	19N	42		266
A 373	7		230	200 52 63 54 5				250 220 53		7A	
A 373A	2	SHLD A373	25N				E93-B	38N			172
A 373W		J24-AA	22N			173	J41-MM	22N			280
A 375	14		330	300 57 65 50 5				250 220 52		7A	
A 375A	2	SHLD A375	25N				E42-B	38N			171
A 375L		J24-NN	22N			173	J35-FF	22N			300
A 375R		J24-MM	22N			173	J35-EE	22N			300
A 375Y		J24-PP	22N			173	J35-GG	22N			300
A 376	3	J25-B	22N			154	E43-B	22N			152
A 377	7		280	250 52 63 54 5				280 250 53		7A	
A 377A	2	SHLD A377	25N				E44-B	38N			153
A 377W		J25-D	22N			154	J44-F*	22N			274
A 378	7		280	250 52 63 54 5				280 250 53		7A	
A 378A	2	SHLD A378	25N				E44-B	38N			153
A 378W		J25-E	22N			154	J44-G*	22N			274
A 379	7		230	200 52 63 54 5				230 200 53		7A	
A 379A	2	SHLD A379	25N				E44-B	38N			153

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 61 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT (2)	FROM ITEM NO.	FROM TERMINATION SPEC. (1)	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT (2)	TO ITEM NO.	TO TERMINATION SPEC. (1)	TO NO.
A 379W		J25-F	22N			154	J44-I*	22N			274
A 380	7		230	200 52 63 54 5				230 200 53		7A	
A 380A	2	SHLD A380	25N				E44-B	38N			153
A 380W		J25-G	22N			154	J44-K*	22N			274
A 381	3	J25-K	22N			154	K34-10	31Y	46		213
A 382	3	J25-L	22N			154	K34-12	31Y	46		213
A 383	12		180	150 90 67 59 5				250 220 51		7A	
A 383A	2	SHLD A383	25N				E43-B	38N			152
A 383L		J25-N	22N			154	K34- 5	31Y			213
A 383R		J25-M	22N			154	K34- 3	31Y			213
A 384	16		230	200 90 68 60 5				250 220 51		7A	
A 384A	2	SHLD A384	25N				E43-B	38N			152
A 384L		J25-S	22N			154	K37- 7	31Y			216
A 384R		J25-P	22N			154	K37-10	31Y			216
A 384Y		J25-R	22N			154	K37- 4	31Y			216
A 385	10		280	250 50 64 56 5				250 220 52		7A	
A 385A	2	SHLD A385	25N				E43-B	38N			152
A 385L		J25-U	22N			154	K35-12	31Y			214

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 62 OF 150

CONDUCTOR NUMBER	ITEM NO.	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC NO. ITEM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC NO. ITEM NO.
A 385R			U25-T	22N	K35-10	31Y 214
A 386	10			330 300 50 64 56 5		250 220 52 7A
A 386A	2		SHLD A386	25N	E43-B	38N 152
A 386L			U25-W	22N 154	K35- 5	31Y 214
A 386R			U25-V	22N 154	K35- 3	31Y 214
A 387	14			180 150 50 65 57 5		250 220 52 7A
A 387A	2		SHLD A387	25N	E43-B	38N 152
A 387L			U25-Z	22N 154	K33-10	31Y 47 212
A 387R			U25-X	22N 154	K33- 5	31Y 47 212
A 387Y			U25-Y	22N 154	K33- 3	31Y 47 212
A 388	12			230 200 90 67 59 5		250 220 51 7A
A 388A	2		SHLD A388	25N	E43-B	38N 152
A 388L			U25-B*	22N 154	K21-10	31Y 47 180
A 388R			U25-A*	22N 154	K21-12	31Y 47 180
A 389	3		U25-C*	22N 154	K8- 5	31Y 47 39
A 390	3		U25-D*	22N 154	K8- 1	31Y 46 39
A 391	11			280 250 51 87 86 5		250 220 51 7A
A 391A	2		SHLD A391	25N	E44-B	38N 153

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712 | SCALE-NONE | REV LTR AB | SHEET 63 OF 150

CONDUCTOR NUMBER	ITEM NO.	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC NO. ITEM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC NO. ITEM NO.
A 391L			U25-F*	22N 154	K21- 2	31Y 92 180
A 391R			U25-E*	22N 154	K21- 6	31Y 92 180
A 392	1		U25-M*	22N 154	TB13-11D	19N 42 266
A 393	7			330 300 52 63 54 5		200 170 53 7A
A 393A	2		SHLD A393	25N	E44-B	38N 153
A 393W			U25-N*	22N 154	J34-F	22N 301
A 394	15			180 150 51 66 86 5		250 220 51 7A
A 394A	2		SHLD A394	25N	E44-B	38N 153
A 394L			U25-KK	22N 154	K47- 4	31Y 49 226
A 394R			U25-HH	22N 154	K47-10	31Y 49 226
A 394Y			U25-JJ	22N 154	K47- 7	31Y 48 226
A 395	15			230 200 51 66 86 5		250 220 51 7A
A 395A	2		SHLD A395	25N	E44-B	38N 153
A 395L			U25-NN	22N 154	K51- 4	31Y 49 230
A 395R			U25-LL	22N 154	K51-10	31Y 49 230
A 395Y			U25-MM	22N 154	K51- 7	31Y 48 230
A 396	3		U25-PP	22N 154	K22- 7	31Y 48 202
A 397	5		U26-B	22N 159	E47-B	38N 161

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE-NONE | REV LTR AB | SHEET 64 OF 150

CONDUCTOR NUMBER	ITEM NO.	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC NO. ITEM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC NO. ITEM NO.
A 398	14			180 150 50 65 57 6		250 220 50 65 57 6
A 398A	2		SHLD A398	25N	J26-S	22N 159
A 398B	2		J33-C	22N 304	SHLD A398	25N
A 398L			J26-H	22N 159	J33-W*	22N 304
A 398R			J26-G	22N 159	J33-V*	22N 304
A 398Y			J26-J	22N 159	J33-X*	22N 304
A 399	14			230 200 50 65 57 6		250 220 50 65 57 6
A 399A	2		SHLD A399	25N	J26-A	22N 159
A 399B	2		J38-C	22N 293	SHLD A399	25N
A 399L			J26-L	22N 159	J38-W*	22N 293
A 399R			J26-K	22N 159	J38-V*	22N 293
A 399Y			J26-M	22N 159	J38-X*	22N 293
A 400	14			280 250 50 65 57 6		250 220 50 65 57 6
A 400A	2		SHLD A400	25N	J26-T	22N 159
A 400B	2		J32-C	22N 307	SHLD A400	25N
A 400L			J26-P	22N 159	J32-W*	22N 307
A 400R			J26-N	22N 159	J32-V*	22N 307
A 400Y			J26-R	22N 159	J32-X*	22N 307

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE-NONE | REV LTR AB | SHEET 65 OF 150

CONDUCTOR NUMBER	ITEM NO.	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC NO. ITEM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC NO. ITEM NO.
A 401	12			330 300 90 67 59 5		250 220 51 7A
A 401A	2		SHLD A401	25N	E45-B	38N 161A
A 401L			U26-V	22N 159	TB7-10B	19N 43 33
A 401R			U26-U	22N 159	TB7- 9B	19N 43 33
A 402	7			180 150 52 63 54 5		200 170 53 7A
A 402A	2		SHLD A402	25N	E45-B	38N 161A
A 402W			U26-W	22N 159	J44-J9	22N 276
A 403	10			230 200 50 64 56 5		250 220 52 7A
A 403A	2		SHLD A403	25N	E47-B	38N 161
A 403L			U26-Z	22N 159	K24- 3	31Y 48 204
A 403R			U26-Y	22N 159	K24- 4	31Y 49 204
A 404	11			280 250 51 87 86 5		250 220 51 7A
A 404A	2		SHLD A404	25N	E45-B	38N 161A
A 404L			U26-C*	22N 159	K23- 3	31Y 48 203
A 404R			U26-B*	22N 159	K23- 4	31Y 49 203
A 405	11			330 300 51 87 86 5		250 220 51 7A
A 405A	2		SHLD A405	25N	E45-B	38N 161A
A 405L			U26-E*	22N 159	TB13- 8C	19N 42 266

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE-NONE | REV LTR AB | SHEET 66 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	(2)	TERMINATION SPEC. (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	(2)	TERMINATION SPEC. (1) ITEM NO.	NO.
A 405R		J26-D*	22N				159	TB13- 7C	19N		42		266
A 406	11		180	150	51	87 86 5			250	220	51	7A	
A 406A	2	SHLD A406	25N					E45-B	38N				161A
A 406L		J26-G*	22N				159	X39- 3	31Y		48		218
A 406R		J26-F*	22N				159	X39- 4	31Y		49		218
A 407	10		230	200	50	64 56 5			250	220	52	7A	
A 407A	2	SHLD A407	25N					E46-B	38N				160
A 407L		J26-I*	22N				159	X54-14	31Y		48		241
A 407R		J26-H*	22N				159	X54-11	31Y		48		241
A 408	10		280	250	50	64 56 5			250	220	52	7A	
A 408A	2	SHLD A408	25N					E46-B	38N				160
A 408L		J26-K*	22N				159	X55- 7	31Y		48		242
A 408R		J26-J*	22N				159	X55- 4	31Y		48		242
A 409	10		330	300	50	64 56 5			250	220	52	7A	
A 409A	2	SHLD A409	25N					E46-B	38N				160
A 409L		J26-N*	22N				159	X60- 4	31Y		49		250
A 409R		J26-M*	22N				159	X60- 7	31Y		49		250
A 410	10		180	150	50	64 56 5			250	220	52	7A	

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 67 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	(2)	TERMINATION SPEC. (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	(2)	TERMINATION SPEC. (1) ITEM NO.	NO.
A 410A	2	SHLD A410	25N					E46-B	38N				160
A 410L		J26-Q*	22N				159	K43-13	31Y		49		222
A 410R		J26-P*	22N				159	K43-16	31Y		49		222
A 411	14		230	200	50	65 57 5			250	220	52	7A	
A 411A	2	SHLD A411	25N					E46-B	38N				160
A 411L		J26-S*	22N				159	K42- 7	31Y		49		221
A 411R		J26-R*	22N				159	K42-10	31Y		49		221
A 411Y		J26-T*	22N				159	K42- 4	31Y		49		221
A 412	10		280	250	50	64 56 5			250	220	52	7A	
A 412A	2	SHLD A412	25N					E46-B	38N				160
A 412L		J26-V*	22N				159	K64- 4	31Y		49		254
A 412R		J26-U*	22N				159	K64- 7	31Y		49		254
A 413	10		330	300	50	64 56 5			250	220	52	7A	
A 413A	2	SHLD A413	25N					E46-B	38N				160
A 413L		J26-X*	22N				159	K47-13	31Y		49		226
A 413R		J26-W*	22N				159	K47-16	31Y		49		226
A 414	10		180	150	50	64 56 5			250	220	52	7A	
A 414A	2	SHLD A414	25N					E47-B	38N				161

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 68 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	(2)	TERMINATION SPEC. (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	(2)	TERMINATION SPEC. (1) ITEM NO.	NO.
A 414L		J26-Z*	22N				159	K46-13	31Y		49		225
A 414R		J26-Y*	22N				159	K46-16	31Y		49		225
A 415	14		230	200	50	65 57 5			250	220	52	7A	
A 415A	2	SHLD A415	25N					E47-B	38N				161
A 415L		J26-CC	22N				159	K46- 7	31Y		49		225
A 415R		J26-BB	22N				159	K46-10	31Y		49		225
A 415Y		J26-DD	22N				159	K46- 4	31Y		49		225
A 416	10		280	250	50	64 56 5			250	220	52	7A	
A 416A	2	SHLD A416	25N					E47-B	38N				161
A 416L		J26-FF	22N				159	K68- 4	31Y		49		258
A 416R		J26-EE	22N				159	K68- 7	31Y		49		258
A 417	10		330	300	50	64 56 5			250	220	52	7A	
A 417A	2	SHLD A417	25N					E47-B	38N				161
A 417L		J26-HH	22N				159	K50-13	31Y		49		229
A 417R		J26-GG	22N				159	K50-16	31Y		49		229
A 418	10		180	150	50	64 56 5			250	220	52	7A	
A 418A	2	SHLD A418	25N					E47-B	38N				161
A 418L		J26-KK	22N				159	K51-13	31Y		49		230

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 69 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	(2)	TERMINATION SPEC. (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	(2)	TERMINATION SPEC. (1) ITEM NO.	NO.
A 418R		J26-JJ	22N				159	K51-16	31Y		49		230
A 419	14		230	200	50	65 57 5			250	220	52	7A	
A 419A	2	SHLD A419	25N					E47-B	38N				161
A 419L		J26-MM	22N				159	K50- 7	31Y		49		229
A 419R		J26-LL	22N				159	K50-10	31Y		49		229
A 419Y		J26-NN	22N				159	K50- 4	31Y		49		229
A 420	3	J27-B	22N				168	E48-B	38N				167
A 421	3	J27-M	22N				168	J38-A*	22N				293
A 422	3	J27-N	22N				168	J33-A*	22N				304
A 423	3	J27-P	22N				168	J32-Z	22N				307
A 424	1	J27-S	22N				168	TB17- 8A	19N		42		261
A 425	15		180	150	51	66 86 5			250	220	51	7A	
A 425A	2	SHLD A425	25N					E48-B	38N				167
A 425L		J27-V	22N				168	K36- 8	31Y		47		215
A 425R		J27-T	22N				168	K36- 1	31Y		47		215
A 425Y		J27-U	22N				168	K36- 7	31Y		47		215
A 426	1	J27-Y	22N				168	TB7-11C	19N		42		33
A 427	1	J27-Z	22N				168	TB13- 9B	19N		42		266

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 70 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	(3)	TERMINATION SPEC. (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	(3)	TERMINATION SPEC (1) ITEM NO.	NO.
A 428	10		230	200	50 64 56 5				250	220	52	7A	
A 428A	2	SHLD A428	25N					E48-B	38N				167
A 428L		J27-B*	22N				168	K21- 3	31Y				180
A 428R		J27-A*	22N				168	K21- 5	31Y				180
A 429	14		280	250	50 65 57 5				250	220	52	7A	
A 429A	2	SHLD A429	25N					E48-B	38N				167
A 429L		J27-E*	22N				168	K33- 8	31Y	47			212
A 429R		J27-C*	22N				168	K33- 7	31Y	47			212
A 429Y		J27-D*	22N				168	K33- 1	31Y	47			212
A 430	10		330	300	50 64 56 5				250	220	52	7A	
A 430A	2	SHLD A430	25N					E48-B	38N				167
A 430L		J27-G*	22N				168	K35- 7	31Y	46			214
A 430R		J27-F*	22N				168	K35- 1	31Y	46			214
A 431	10		180	150	50 64 56 5				250	220	52	7A	
A 431A	2	SHLD A431	25N					E48-B	38N				167
A 431L		J27-I*	22N				168	TB11- 6D	19N	42			37
A 431R		J27-H*	22N				168	TB11- 4D	19N	42			37
A 432	3	J27-J*	22N				168	E87-B	38N				263

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 71 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	(3)	TERMINATION SPEC. (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	(3)	TERMINATION SPEC (1) ITEM NO.	NO.
A 433	3	J27-M*	22N				168	K34- 8	31Y	47			213
A 434	3	J27-N*	22N				168	K34-14	31Y	47			213
A 435	8	J27-P*	22N				168	J8-W*	22N				25
A 436	7		280	250	52 63 54 5				230	200	53	7A	
A 436A	2	SHLD A436	25N					E48-B	38N				167
A 436W		J27-Q*	22N				168	J33-I*	22N				304
A 437	7		280	250	52 63 54 5				230	200	53	7A	
A 437A	2	SHLD A437	25N					E48-B	38N				167
A 437W		J27-R*	22N				168	J38-I*	22N				293
A 438	7		250	220	52 63 54 5				230	200	53	7A	
A 438A	2	SHLD A438	25N					E48-B	38N				167
A 438W		J27-S*	22N				168	J32-I*	22N				307
A 439	7		250	220	52 63 54 5				230	200	53	7A	
A 439A	2	SHLD A439	25N					E48-B	38N				167
A 439W		J27-T*	22N				168	J32-A*	22N				307
A 440	1	J27-AA	22N				168	TB13- 6B	19N	42			266
A 441	1	J27-BB	22N				168	TB11- 1B	19N	42			37
A 442	1	J27-CC	22N				168	J45-P*	22N				268

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 72 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	(3)	TERMINATION SPEC. (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	(3)	TERMINATION SPEC (1) ITEM NO.	NO.
A 443	1	J27-DD	22N				168	J45-Q*	22N				268
A 444	1	J27-EE	22N				168	J45-R*	22N				268
A 448	1	J27-KK	22N				168	J39-CC	22N				291
A 449	10		230	200	50 64 56 5				250	220	52	7A	
A 449A	2	SHLD A449	25N					E48-B	38N				167
A 449L		J27-NN	22N				168	K42-13	31Y	49			221
A 449R		J27-MM	22N				168	K42-16	31Y	49			221
A 450	3	J27-PP	22N				168	K22- 8	31Y	47			202
A 451	5	J30-A	41Y	46			314	TR3- 9	19N	40			69
A 452	5	J30-B	41Y	46			314	TR3-10	19N	40			68
A 453	5	J30-C	41Y	46			314	TB3- 3	19N	40			76
A 454	5	J30-D	41Y	46			314	TR3- 2	19N	40			77
A 455	6	J30-E	41Y	46			314	TB14- 4	31N	41			265
A 456	3	J31-A	22N				311	E83-B	38N				260
A 457	3	J31-B	22N				311	E50-A	38N				312
A 458		DELETED											
A 459	10		180	150	50 64 56 5				250	220	52	7A	
A 459A	2	SHLD A459	25N					E50-B	38N				312

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 73 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	(3)	TERMINATION SPEC. (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	(3)	TERMINATION SPEC (1) ITEM NO.	NO.
A 459L		J31-Z	22N				311	TB13-16B	19N	42			266
A 459R		J31-Y	22N				311	TB13-15B	19N	42			266
A 460	10		230	200	50 64 56 5				250	220	52	7A	
A 460A	2	SHLD A460	25N					E50-B	38N				312
A 460L		J31-C*	22N				311	TB13-16E	19N	42			266
A 460R		J31-B*	22N				311	TB13-15E	19N	42			266
A 461	10		280	250	50 64 56 5				250	220	52	7A	
A 461A	2	SHLD A461	25N					E50-B	38N				312
A 461L		J31-F*	22N				311	TB17-17B	19N	42			261
A 461R		J31-E*	22N				311	TB17-18B	19N	42			261
A 462	10		330	300	50 64 56 5				250	220	52	7A	
A 462A	2	SHLD A462	25N					E50-B	38N				312
A 462L		J31-H*	22N				311	TB7- 6B	19N	42			33
A 462R		J31-G*	22N				311	TB7- 5B	19N	42			33
A 463	10		180	150	50 64 56 5				250	220	52	7A	
A 463A	2	SHLD A463	25N					E50-B	38N				312
A 463L		J31-J*	22N				311	TB17-14A	19N	42			261
A 463R		J31-I*	22N				311	TB17-13A	19N	42			261

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 74 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC. ITEM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC. ITEM NO.	NO.
A 464	10		230 200 50 64 56 5		250 220 52 7A	
A 464A	2	SHLD A464	25N	E50-B	38N	312
A 464L		J31-N*	22N	J41-R*	22N	311 280
A 464R		J31-M*	22N	J41-Q*	22N	311 280
A 465	10		280 250 50 64 56 5		250 220 52 7A	
A 465A	2	SHLD A465	25N	E50-B	38N	312
A 465L		J31-Q*	22N	J41-T*	22N	311 280
A 465R		J31-P*	22N	J41-S*	22N	311 280
A 466	10		330 300 50 64 56 5		250 220 52 7A	
A 466A	2	SHLD A466	25N	E50-R	38N	312
A 466L		J31-S*	22N	J36-BB	22N	311 298
A 466R		J31-R*	22N	J36-AA	22N	311 298
A 468	7		180 150 52 63 54 5		200 170 53 7A	
A 468A	2	SHLD A468	25N	E50-B	38N	312
A 468W		J31-T*	22N	J36-CC	22N	311 298
A 469	10		230 200 50 64 56 5		250 220 52 7A	
A 469A	2	SHLD A469	25N	E51-B	38N	313
A 469L		J31-V*	22N	J42-X*	22N	311 279

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 75 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC. ITEM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC. ITEM NO.	NO.
A 469R		J31-U*	22N	J42-W*	22N	311 279
A 470	10		280 250 50 64 56 5		250 220 52 7A	
A 470A	2	SHLD A470	25N	E51-B	38N	313
A 470L		J31-X*	22N	J42-Z*	22N	311 279
A 470R		J31-W*	22N	J42-Y*	22N	311 279
A 471	14		330 300 50 65 57 6		250 220 50 65 57 6	
A 471A	2	SHLD A471	25N	J31-C	22N	311
A 471B	2	J36-X	22N	SHLD A471	25N	298
A 471L		J31-Z*	22N	J36-EE	22N	311 298
A 471R		J31-Y*	22N	J36-DD	22N	311 298
A 471Y		J31-AA	22N	J36-FF	22N	311 298
A 472	10		180 150 50 64 56 5		250 220 52 7A	
A 472A	2	SHLD A472	25N	E51-B	38N	313
A 472L		J31-DD	22N	TB17-16C	19N 42	311 261
A 472R		J31-CC	22N	TB17-15C	19N 42	311 261
A 473	7		230 200 52 63 54 5		200 170 53 7A	
A 473A	2	SHLD A473	25N	E51-B	38N	313
A 473W		J31-EE	22N	K27- 3	31Y	311 206

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 76 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC. ITEM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC. ITEM NO.	NO.
A 474	1	J31-FF	22N	TB13-14B	19N 42	311 266
A 476	10		330 300 50 64 56 5		250 220 52 7A	
A 476A	2	SHLD A476	25N	E51-B	38N	313
A 476L		J31-JJ	22N	J36-HH	22N	311 298
A 476R		J31-HH	22N	J36-GG	22N	311 298
A 477	14		180 150 50 65 57 5		250 220 52 7A	
A 477A	2	SHLD A477	25N	E51-B	38N	313
A 477L		J31-LL	22N	J35-N*	22N	311 300
A 477R		J31-KK	22N	J35-M*	22N	311 300
A 477Y		J31-MM	22N	J35-P*	22N	311 300
A 478	11		230 200 51 87 86 5		250 220 51 7A	
A 478A	2	SHLD A478	25N	E51-B	38N	313
A 478L		J31-PP	22N	TB6- 5E	19N 42	311 38
A 478R		J31-NN	22N	TB6- 2E	19N 42	311 38
A 479	5	J32-A	22N	E83-B	38N	307 260
A 480	5	J32-B	22N	E52-B	38N	307 308
A 481		DELETED				
A 482	1	J32-B*	22N	TR15-10C	19N 42	307 266

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 77 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC. ITEM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC. ITEM NO.	NO.
A 483	10		180 150 50 64 56 5		250 220 52 7A	
A 483A	2	SHLD A483	25N	E52-B	38N	308
A 483L		J32-D*	22N	TB11- 5A	19N 42	307 37
A 483R		J32-C*	22N	TR11- 4A	19N 42	307 37
A 484	10		230 200 50 64 56 5		250 220 52 7A	
A 484A	2	SHLD A484	25N	E52-B	38N	308
A 484L		J32-F*	22N	K51-14	31Y	307 230
A 484R		J32-E*	22N	K51-17	31Y	307 230
A 485	10		280 250 50 64 56 5		250 220 52 7A	
A 485A	2	SHLD A485	25N	E52-B	38N	308
A 485L		J32-H*	22N	TB17- 6C	19N 42	307 261
A 485R		J32-G*	22N	TB17- 5C	19N 42	307 261
A 486	10		330 300 50 64 56 5		250 220 52 7A	
A 486A	2	SHLD A486	25N	E52-B	38N	308
A 486L		J32-K*	22N	K66-10	31Y 49	307 256
A 486R		J32-J*	22N	K66-13	31Y 49	307 256
A 487	10		180 150 50 64 56 5		250 220 52 7A	
A 487A	2	SHLD A487	25N	E52-B	38N	308

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 78 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO.	TO NO.
A 487L		J32-N*	22N	307	K66- 4	31Y 49	256
A 487R		J32-M*	22N	307	K66- 7	31Y 49	256
A 488	10		230 200 50 64 56 5			250 220 52 7A	
A 488A	2	SHLD A488	25N		E52-B	38N	308
A 488L		J32-Q*	22N	307	K68- 5	31Y 49	258
A 488R		J32-P*	22N	307	K68- 8	31Y 49	258
A 489	10		280 250 50 64 56 5			250 220 52 7A	
A 489A	2	SHLD A489	25N		E52-B	38N	308
A 489L		J32-S*	22N	307	K65-10	31Y 49	255
A 489R		J32-R*	22N	307	K65-13	31Y 49	255
A 490	10		330 300 50 64 56 5			250 220 52 7A	
A 490A	2	SHLD A490	25N		E53-B	38N	309
A 490L		J32-U*	22N	307	K65- 4	31Y 49	255
A 490R		J32-T*	22N	307	K65- 7	31Y 49	255
A 491	10		180 150 50 64 56 5			250 220 52 7A	
A 491A	2	SHLD A491	25N		E53-B	38N	309
A 491L		J32-Z*	22N	307	TB17-20B	19N 42	261
A 491R		J32-Y*	22N	307	TB17-19B	19N 42	261

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 79 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO.	TO NO.
A 492	10		280 250 50 64 56 5			280 250 52 7A	
A 492A	2	SHLD A492	25N		E53-B	38N	309
A 492L		J32-CC	22N	307	TB13- 2B	19N 42	266
A 492R		J32-BB	22N	307	TB13- 1B	19N 42	266
A 494	1	J32-DD	22N	307	TB13-11C	19N 42	266
A 495	14		250 200 50 65 57 5			250 220 52 7A	
A 495A	2	SHLD A495	25N		E53-B	38N	309
A 495L		J32-EE	22N	307	K50- 8	31Y	229
A 495R		J32-GG	22N	307	K50-11	31Y	229
A 495Y		J32-FF	22N	307	K50- 5	31Y 49	229
A 496	14		180 150 50 65 57 5			250 220 52 7A	
A 496A	2	SHLD A496	25N		E53-B	38N	309
A 496L		J32-HH	22N	307	K51- 5	31Y 49	230
A 496R		J32-JJ	22N	307	K51-11	31Y 49	230
A 496Y		J32-KK	22N	307	K51- 7	31Y	230
A 497	11		230 200 51 87 88 5			250 220 51 7A	
A 497A	2	SHLD A497	25N		E53-B	38N	309
A 497L		J32-MM	22N	307	TB6- 4C	19N 42	38

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 80 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO.	TO NO.
A 497R		J32-LL	22N	307	TB6- 1C	19N 42	38
A 498	7		280 250 52 63 54 5			200 170 53 7A	
A 498A	2	SHLD A498	25N		E53-B	38N	309
A 498M		J32-NN	22N	307	TB11- 2C	19N 42	37
A 499	7		330 300 52 63 54 5			200 170 53 7A	
A 499A	2	SHLD A499	25N		E53-B	38N	309
A 499M		J32-PP	22N	307	TB11- 2B	19N 42	37
A 500	3	J33-A	22N	304	E83-B	38N	260
A 501	3	J33-B	22N	304	E54-B	38N	305
A 502		DELETED					
A 503	1	J33-B*	22N	304	TB13-10B	19N 42	266
A 504	10		180 150 50 64 56 5			250 220 52 7A	
A 504A	2	SHLD A504	25N		E54-B	38N	305
A 504L		J33-D*	22N	304	TB11- 5B	19N 42	37
A 504R		J33-C*	22N	304	TB11- 4B	19N 42	37
A 505	10		230 200 50 64 56 5			250 220 52 7A	
A 505A	2	SHLD A505	25N		E54-B	38N	305
A 505L		J33-F*	22N	304	K46-14	31Y	225

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 81 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO.	TO NO.
A 505M		J33-E*	22N	304	K46-17	31Y	225
A 506	10		280 250 50 64 56 5			250 220 52 7A	
A 506A	2	SHLD A506	25N		E54-B	38N	305
A 506L		J33-H*	22N	304	TB17- 4A	19N 42	261
A 506R		J33-G*	22N	304	TB17- 3A	19N 42	261
A 507	10		330 300 50 64 56 5			250 220 52 7A	
A 507A	2	SHLD A507	25N		E54-B	38N	305
A 507L		J33-K*	22N	304	K62-10	31Y 49	252
A 507R		J33-J*	22N	304	K62-13	31Y 49	252
A 508	10		180 150 50 64 56 5			250 220 52 7A	
A 508A	2	SHLD A508	25N		E54-B	38N	305
A 508L		J33-N*	22N	304	K62- 4	31Y 49	252
A 508R		J33-M*	22N	304	K62- 7	31Y 49	252
A 509	10		230 200 50 64 56 5			250 220 52 7A	
A 509A	2	SHLD A509	25N		E54-B	38N	305
A 509L		J33-Q*	22N	304	K64- 5	31Y 49	254
A 509R		J33-P*	22N	304	K64- 8	31Y 49	254
A 510	10		280 250 50 64 56 5			250 220 52 7A	

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 82 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT (2)	FROM (1)	FROM TERMINATION SPEC (1)	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT (2)	TO (1)	TO TERMINATION SPEC (1)	TO ITEM NO.	TO NO.
A 510A	2		SHLD A510	25N					E54-B	38N				305
A 510L			J33-S*	22N				304	K61-10	31Y		49		251
A 510R			J33-R*	22N				304	K61-13	31Y		49		251
A 511	10			330	300 50 64 56 5					250	220 52		7A	
A 511A	2		SHLD A511	25N					E54-B	38N				305
A 511L			J33-U*	22N				304	K61- 4	31Y		49		251
A 511R			J33-T*	22N				304	K61- 7	31Y		49		251
A 512	10			180	150 50 64 56 5					250	220 52		7A	
A 512A	2		SHLD A512	25N					E55-B	38N				306
A 512L			J33-Z*	22N				304	TB17-20C	19N		42		261
A 512R			J33-Y*	22N				304	TB17-19C	19N		42		261
A 513	10			280	250 50 64 56 5					280	250 52		7A	
A 513A	2		SHLD A513	25N					E54-B	38N				305
A 513L			J33-CC	22N				304	TB13- 2C	19N		42		266
A 513R			J33-BB	22N				304	TB13- 1C	19N		42		266
A 515	1		J33-DD	22N				304	TB13-11B	19N		42		266
A 516	14			230	200 50 65 57 5					250	220 52		7A	
A 516A	2		SHLD A516	25N					E55-B	38N				306

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 83 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT (2)	FROM (1)	FROM TERMINATION SPEC (1)	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT (2)	TO (1)	TO TERMINATION SPEC (1)	TO ITEM NO.	TO NO.
A 516L			J33-EE	22N				304	K46- 8	31Y				225
A 516R			J33-GG	22N				304	K46-11	31Y				225
A 516Y			J33-FF	22N				304	K46- 5	31Y		49		225
A 517	14			280	250 50 65 57 5					250	220 52		7A	
A 517A	2		SHLD A517	25N					E55-B	38N				306
A 517L			J33-MM	22N				304	K47- 5	31Y		49		226
A 517R			J33-JJ	22N				304	K47-11	31Y		49		226
A 517Y			J33-KK	22N				304	K47- 7	31Y				226
A 518	11			330	300 51 87 86 5					250	220 51		7A	
A 518A	2		SHLD A518	25N					E55-B	38N				306
A 518L			J33-MM	22N				304	TB6- 4D	19N		42		38
A 518R			J33-LL	22N				304	TB6- 1D	19N		42		38
A 519	7			180	150 52 63 54 5					200	170 53		7A	
A 519A	2		SHLD A519	25N					E55-B	38N				306
A 519M			J33-NN	22N				304	TB11- 2E	19N		42		37
A 520	7			230	200 52 63 54 5					200	170 53		7A	
A 520A	2		SHLD A520	25N					E55-B	38N				306
A 520M			J33-PP	22N				304	TB11- 2D	19N		42		37

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 84 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT (2)	FROM (1)	FROM TERMINATION SPEC (1)	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT (2)	TO (1)	TO TERMINATION SPEC (1)	TO ITEM NO.	TO NO.
A 521	3		J34-B	22N				301	E62-B	38N				292
A 522	12			180	150 90 67 59 5					250	220 51		7A	
A 522A	2		SHLD A522	25N					E62-B	38N				292
A 522L			J34-N	22N				301	TB17-12A	19N		43		261
A 522R			J34-M	22N				301	TB17-11A	19N		43		261
A 523	11			230	200 51 87 86 5					250	220 51		7A	
A 523A	2		SHLD A523	25N					E56-B	38N				302
A 523L			J34-R	22N				301	TR17-12B	19N		42		261
A 523R			J34-P	22N				301	TB17-11B	19N		42		261
A 524	12			280	250 90 67 59 5					250	220 51		7A	
A 524A	2		SHLD A524	25N					E56-B	38N				302
A 524L			J34-V	22N				301	TB17- 9B	19N		43		261
A 524R			J34-U	22N				301	TB17-10B	19N		43		261
A 525	2		J34-W	22N				301	K45- 1	31Y		48		224
A 526	2		J34-X	22N				301	K49- 1	31Y		48		228
A 527	2		J34-Y	22N				301	K53- 1	31Y		48		232
A 528	3		J34-Z	22N				301	K68- 1	31Y		48		258
A 529	10			330	300 50 64 56 5					250	220 52		7A	

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 85 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT (2)	FROM (1)	FROM TERMINATION SPEC (1)	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT (2)	TO (1)	TO TERMINATION SPEC (1)	TO ITEM NO.	TO NO.
A 529A	2		SHLD A529	25N					E56-B	38N				302
A 529L			J34-B*	22N				301	J39-R	22N				291
A 529R			J34-A*	22N				301	J39-P	22N				291
A 530	11			330	300 51 87 86 5					250	220 51		7A	
A 530A	2		SHLD A530	25N					E56-B	38N				302
A 530L			J34-D*	22N				301	J39-T	22N				291
A 530R			J34-C*	22N				301	J39-S	22N				291
A 531	10			180	150 50 64 56 5					250	220 52		7A	
A 531A	2		SHLD A531	25N					E56-B	38N				302
A 531L			J34-F*	22N				301	J39-N	22N				291
A 531R			J34-E*	22N				301	J39-M	22N				291
A 532	11			230	200 51 87 86 5					250	220 51		7A	
A 532A	2		SHLD A532	25N					E56-B	38N				302
A 532L			J34-H*	22N				301	TB6- 5D	19N		42		38
A 532R			J34-G*	22N				301	TB6- 2D	19N		43		38
A 533	1		J34-I*	22N				301	J39-U	22N				291
A 534	1		J34-J*	22N				301	J39-V	22N				291
A 535	1		J34-K*	22N				301	J39-W	22N				291

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 86 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO.	TO NO.
A 536	1	J34-M*	22N	301	K60- 1	31Y 48	250
A 537	1	J34-Q*	22N	301	J39-Y	22N	291
A 538	1	J34-S*	22N	301	J39-Z	22N	291
A 539	1	J34-T*	22N	301	J39-B*	22N	291
A 540	1	J34-U*	22N	301	J39-C*	22N	291
A 541	3	J34-W*	22N	301	K64- 1	31Y 48	254
A 542	7		280 250 52 63 54 5			200 170 53 7A	
A 542A	2	SHLD A542	25N		E94-B	38N	303
A 542W		J34-X*	22N	301	J39-F*	22N	291
A 543	3	J34-Y*	22N	301	J39-G*	22N	291
A 544	7		330 300 52 63 54 5			200 170 53 7A	
A 544A	2	SHLD A544	25N		E94-B	38N	303
A 544W		J34-Z*	22N	301	J39-H*	22N	291
A 545	3	J34-AA	22N	301	J39-I*	22N	291
A 546	3	J34-BB	22N	301	J39-J*	22N	291
A 547	7		180 150 52 63 54 5			200 170 53 7A	
A 547A	2	SHLD A547	25N		E94-B	38N	303
A 547W		J34-CC	22N	301	J39-K*	22N	291

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 87 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO.	TO NO.
A 549	1	J34-EE	22N	301	J39-N*	22N	291
A 550	7		230 200 52 63 54 5			200 170 53 7A	
A 550A	2	SHLD A550	25N		E94-B	38N	303
A 550W		J34-FF	22N	301	J39-P*	22N	291
A 551	7		280 250 52 63 54 5			200 170 53 7A	
A 551A	2	SHLD A551	25N		E94-B	38N	303
A 551W		J34-GG	22N	301	J39-Q*	22N	291
A 552	3	J35-B	22N	300	E57-B	38N	299
A 553	10		180 150 50 64 56 5			250 220 52 7A	
A 553A	2	SHLD A553	25N		E57-R	38N	299
A 553L		J35-M	22N	300	K32- 3	31Y	211
A 553R		J35-L	22N	300	K32- 5	31Y	211
A 554	10		230 200 50 64 56 5			250 220 52 7A	
A 554A	2	SHLD A554	25N		E57-B	38N	299
A 554L		J35-P	22N	300	K31- 5	31Y	210
A 554R		J35-N	22N	300	K31-10	31Y	210
A 555	10		280 250 50 64 56 5			250 220 52 7A	
A 555A	2	SHLD A555	25N		E57-B	38N	299

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 88 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO.	TO NO.
A 555L		J35-Z	22N	300	K32-10	31Y	211
A 555R		J35-Y	22N	300	K32-12	31Y	211
A 556	7		330 300 52 63 54 5			200 170 53 7A	
A 556A	2	SHLD A556	25N		E57-B	38N	299
A 556W		J35-D*	22N	300	J37-F*	22N	295
A 557	10		180 150 50 64 56 5			250 220 52 7A	
A 557A	2	SHLD A557	25N		E57-B	38N	299
A 557L		J35-F*	22N	300	J37-H*	22N	295
A 557R		J35-E*	22N	300	J37-G*	22N	295
A 558	14		230 200 50 65 57 5			250 220 52 7A	
A 558A	2	SHLD A558	25N		E57-B	38N	299
A 558L		J35-H*	22N	300	J37-HH	22N	295
A 558R		J35-G*	22N	300	J37-GG	22N	295
A 558Y		J35-I*	22N	300	J37-JJ	22N	295
A 559	1	J35-Q*	22N	300	U43-X	22N	275
A 560	1	J35-Y*	22N	300	TB13- 3C	19N 42	766
A 561	3	J36-B	22N	298	E58-B	38N	297
A 562	10		280 250 50 64 56 5			250 220 52 7A	

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 89 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO.	TO NO.
A 562A	2	SHLD A562	25N		E58-B	38N	297
A 562L		J36-F*	22N	298	K19- 1	31Y 47	177
A 562R		J36-E*	22N	298	K19- 7	31Y 47	177
A 563	10		330 300 50 64 56 5			250 220 52 7A	
A 563A	2	SHLD A563	25N		E58-R	38N	297
A 563L		J36-H*	22N	298	K19- 2	31Y 47	177
A 563R		J36-G*	22N	298	K19- 6	31Y 47	177
A 564	10		180 150 50 64 56 5			250 220 52 7A	
A 564A	2	SHLD A564	25N		E58-B	38N	297
A 564L		J36-J*	22N	298	K30- 1	31Y 47	209
A 564R		J36-I*	22N	298	K30- 7	31Y 47	209
A 565	10		230 200 50 64 56 5			250 220 52 7A	
A 565A	2	SHLD A565	25N		E58-B	38N	297
A 565L		J36-M*	22N	298	K30- 2	31Y 47	209
A 565R		J36-K*	22N	298	K30- 6	31Y 47	209
A 566	10		280 250 50 64 56 5			250 220 52 7A	
A 566A	2	SHLD A566	25N		E58-B	38N	297
A 566L		J36-P*	22N	298	U37-P*	22N	295

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 90 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC. ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC. ITEM NO.	TO NO.
A 566R		J36-N*	22N	298	J37-N*	22N	295
A 567	7		330 300 52 63 54 5			200 170 53 7A	
A 567A	2	SHLD A567	25N		E58-B	38N	297
A 567W		J36-Q*	22N	298	J37-Q*	22N	295
A 568	10		180 150 50 64 56 5			250 220 52 7A	
A 568A	2	SHLD A568	25N		E58-B	38N	297
A 568L		J36-S*	22N	298	J37-S*	22N	295
A 568R		J36-R*	22N	298	J37-R*	22N	295
A 569	10		250 200 50 64 56 5			250 220 52 7A	
A 569A	2	SHLD A569	25N		E58-B	38N	297
A 569L		J36-U*	22N	298	J37-U*	22N	295
A 569R		J36-T*	22N	298	J37-T*	22N	295
A 570	14		280 250 50 65 57 6			250 220 50 65 57 6	
A 570A	2	SHLD A570	25N		J36-W	22N	298
A 570B	2	J37-C	22N	295	SHLD A570	25N	
A 570L		J36-W*	22N	298	J37-W*	22N	295
A 570R		J36-V*	22N	298	J37-V*	22N	295
A 570Y		J36-X*	22N	298	J37-X*	22N	295

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 91 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC. ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC. ITEM NO.	TO NO.
A 571	10		390 300 50 64 56 5			250 220 52 7A	
A 571A	2	SHLD A571	25N		E58-R	38N	297
A 571L		J36-Z*	22N	298	J37-FF	22N	295
A 571R		J36-Y*	22N	298	J37-EE	22N	295
A 572	3	J37-A	22N	295	E83-B	38N	260
A 573	3	J37-B	22N	295	E61-B	38N	271
A 574		DELETED					
A 575	10		180 150 50 64 56 5			250 220 52 7A	
A 575A	2	SHLD A575	25N		E61-B	38N	271
A 575L		J37-Z	22N	295	TB13-16A	19N 42	266
A 575R		J37-Y	22N	295	TB13-15A	19N 42	266
A 576	10		230 200 50 64 56 5			250 220 52 7A	
A 576A	2	SHLD A576	25N		E61-B	38N	271
A 576L		J37-C*	22N	295	TB7- 4D	19N 42	33
A 576R		J37-B*	22N	295	TB7- 3D	19N 42	33
A 577	10		280 250 50 64 56 5			250 220 52 7A	
A 577A	2	SHLD A577	25N		E59-B	38N	296
A 577L		J37-E*	22N	295	TB13- 5C	19N 42	266

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 92 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC. ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC. ITEM NO.	TO NO.
A 577R		J37-D*	22N	295	TB13- 4C	19N 42	266
A 578	10		330 300 50 64 56 5			250 220 52 7A	
A 578A	2	SHLD A578	25N		E59-B	38N	296
A 578L		J37-J*	22N	295	J41-E*	22N	280
A 578R		J37-I*	22N	295	J41-F*	22N	280
A 579	10		180 150 50 64 56 5			250 220 52 7A	
A 579A	2	SHLD A579	25N		E59-B	38N	296
A 579L		J37-K*	22N	295	J41-H*	22N	280
A 579R		J37-M*	22N	295	J41-G*	22N	280
A 580	10		230 200 50 64 56 5			250 220 52 7A	
A 580A	2	SHLD A580	25N		E59-B	38N	296
A 580L		J37-Z*	22N	295	TB17-16D	19N 42	261
A 580R		J37-Y*	22N	295	TB17-15D	19N 42	261
A 581	7		280 250 52 63 54 5			200 170 53 7A	
A 581A	2	SHLD A581	25N		E59-R	38N	296
A 581W		J37-BB	22N	295	K28- 3	31Y	207
A 583	11		180 150 51 87 86 5			250 220 51 7A	
A 583A	2	SHLD A583	25N		E59-B	38N	296

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 93 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC. ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC. ITEM NO.	TO NO.
A 583L		J37-LL	22N	295	TB6- 4E	19N 42	38
A 583R		J37-KK	22N	295	TB6- 1E	19N 42	38
A 584	14		230 200 50 65 57 5			250 220 52 7A	
A 584A	2	SHLD A584	25N		E59-B	38N	296
A 584L		J37-MM	22N	295	TB13-20D	19N 42	266
A 584R		J37-PP	22N	295	TB13-19D	19N 42	266
A 584Y		J37-NN.	22N	295	TB13-20E	19N 42	266
A 585	3	J38-A	22N	293	E83-B	38N	260
A 586	3	J38-B	22N	293	E60-B	38N	294
A 587		DELETED					
A 588	1	J38-B*	22N	293	TB13-10A	19N 42	266
A 589	10		180 150 50 64 56 5			250 220 52 7A	
A 589A	2	SHLD A589	25N		E60-B	38N	294
A 589L		J38-D*	22N	293	TB11- 5C	19N 42	37
A 589R		J38-C*	22N	293	TB11- 4C	19N 42	37
A 590	10		230 200 50 64 56 5			250 220 52 7A	
A 590A	2	SHLD A590	25N		E60-B	38N	294
A 590L		J38-F*	22N	293	K42-14	31Y	221

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 94 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. [2]	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT [2]	[1]	[3]	TERMINATION SPEC. [1]	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT [2]	[1]	[3]	TERMINATION SPEC [1]	ITEM NO.	NO.
A 590R		J38-E*	22N				293	K42-17	31Y				221
A 591	10		280	250	50 64 56 5				250	220	52	7A	
A 591A	2	SHLD A591	25N					E60-B	38N				294
A 591L		J38-H*	22N				293	TB17- 2A	19N		42		261
A 591R		J38-G*	22N				293	TB17- 1A	19N		42		261
A 592	10		330	300	50 64 56 5				250	220	52	7A	
A 592A	2	SHLD A592	25N					E60-B	38N				294
A 592L		J38-K*	22N				293	K58-10	31Y		49		248
A 592R		J38-J*	22N				293	K58-13	31Y		49		248
A 593	10		180	150	50 64 56 5				250	220	52	7A	
A 593A	2	SHLD A593	25N					E60-R	38N				294
A 593L		J38-N*	22N				293	K58- 4	31Y		49		248
A 593R		J38-M*	22N				293	K58- 7	31Y		49		248
A 594	10		230	200	50 64 56 5				250	220	52	7A	
A 594A	2	SHLD A594	25N					E60-R	38N				294
A 594L		J38-Q*	22N				293	K60- 5	31Y		49		250
A 594R		J38-P*	22N				293	K60- 8	31Y		49		250
A 595	10		280	250	50 64 56 5				250	220	52	7A	

[1] THE STD CONDUCTOR TERMINATION FIGURES ARE PER
[2] DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AR | SHEET 95 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. [2]	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT [2]	[1]	[3]	TERMINATION SPEC. [1]	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT [2]	[1]	[3]	TERMINATION SPEC [1]	ITEM NO.	NO.
A 595A	2	SHLD A595	25N					E60-B	38N				294
A 595L		J38-S*	22N				293	K57-10	31Y		49		247
A 595R		J38-R*	22N				293	K57-13	31Y		49		247
A 596	10		330	300	50 64 56 5				250	220	52	7A	
A 596A	2	SHLD A596	25N					E61-B	38N				271
A 596L		J38-U*	22N				293	K57- 4	31Y		49		247
A 596R		J38-T*	22N				293	K57- 7	31Y		49		247
A 597	10		180	150	50 64 56 5				250	220	52	7A	
A 597A	2	SHLD A597	25N					E61-B	38N				271
A 597L		J38-Z*	22N				293	TB17-20A	19N		42		261
A 597R		J38-Y*	22N				293	TB17-19A	19N		42		261
A 598	10		250	220	50 64 56 5				250	220	52	7A	
A 598A	2	SHLD A598	25N					E61-B	38N				271
A 598L		J38-CC	22N				293	TB13- 2D	19N		42		266
A 598R		J38-BB	22N				293	TB13- 1D	19N		42		266
A 600	1	J38-DD	22N				293	TB13-11A	19N		42		266
A 601	14		230	200	50 65 57 5				250	220	52	7A	
A 601A	2	SHLD A601	25N					E61-B	38N				271

[1] THE STD CONDUCTOR TERMINATION FIGURES ARE PER
[2] DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AR | SHEET 96 OF 150

GNW WIRING HARNESS A AR 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. [2]	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT [2]	[1]	[3]	TERMINATION SPEC. [1]	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT [2]	[1]	[3]	TERMINATION SPEC [1]	ITEM NO.	NO.
A 601L		J38-EE	22N				293	K42- 8	31Y				221
A 601R		J38-GG	22N				293	K42-11	31Y				221
A 601Y		J38-FF	22N				293	K42- 5	31Y		49		221
A 602	14		280	250	50 65 57 5				250	220	52	7A	
A 602A	2	SHLD A602	25N					E61-B	38N				271
A 602L		J38-HH	22N				293	K43- 5	31Y		49		222
A 602R		J38-JJ	22N				293	K43-11	31Y		49		222
A 602Y		J38-KK	22N				293	K43- 7	31Y				222
A 603	11		330	300	51 87 86 5				250	220	51	7A	
A 603A	2	SHLD A603	25N					E61-R	38N				271
A 603L		J38-MM	22N				293	TB6- 4B	19N		42		38
A 603R		J38-LL	22N				293	TB6- 1B	19N		42		38
A 604	7		180	150	52 63 54 5				200	170	53	7A	
A 604A	2	SHLD A604	25N					E61-B	38N				271
A 604W		J38-NN	22N				293	TB11-.3B	19N		42		37
A 605	7		230	200	52 63 54 5				200	170	53	7A	
A 605A	2	SHLD A605	25N					E61-B	38N				271
A 605W		J38-PP	22N				293	TB11- 2F	19N		42		37

[1] THE STD CONDUCTOR TERMINATION FIGURES ARE PER
[2] DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AR | SHEET 97 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. [2]	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT [2]	[1]	[3]	TERMINATION SPEC. [1]	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT [2]	[1]	[3]	TERMINATION SPEC [1]	ITEM NO.	NO.
A 606	3	J39-A	22N				291	E84-B	38N				150
A 607	3	J39-B	22N				291	E62-B	38N				292
A 608	1	J39-X	22N				291	TB17- 8B	19N		42		261
A 609		DELETED											
A 610	10		180	150	50 64 56 5				250	220	52	7A	
A 610A	2	SHLD A610	25N					E62-B	38N				292
A 610L		J39-T*	22N				291	J43-C	22N				275
A 610R		J39-S*	22N				291	J43-B	22N				275
A 611	9		230	200	52 63 55 5				200	170	53	7A	
A 611A	2	SHLD A611	25N					E62-R	38N				292
A 611W		J39-V*	22N				291	TB6- 3B	19N		43		38
A 612	9		280	250	52 63 55 5				200	170	53	7A	
A 612A	2	SHLD A612	25N					E62-B	38N				292
A 612W		J39-W*	22N				291	TB6- 3C	19N		43		38
A 613	7		330	300	52 63 54 5				200	170	53	7A	
A 613A	2	SHLD A613	25N					E62-B	38N				292
A 613W		J39-BB	22N				291	J43-D	22N				275
A 614	1	J39-EE	22N				291	TB11- 1C	19W		42		37

[1] THE STD CONDUCTOR TERMINATION FIGURES ARE PER
[2] DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AR | SHEET 98 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T (2)	B	TERMINATION SPEC. (1)	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T (2)	B	TERMINATION SPEC. (1)	ITEM NO.	NO.
A 615	1	J39-DD	22	N			291	TB13- 6C	19	N		42	266
A 616	3	J40-B	28	Y		47	290	E62-B	38	N			292
A 617	4	J40-D	28	Y		47	290	TB5- 4	19	N		40	63
A 618	4	J40-E	28	Y		47	290	TB16- 7	19	N		40	262
A 619	6	J40-I	41	Y		46	290	TB2- 8	31	N		41	92
A 620	6	J40-J	41	Y		46	290	TB2- 7	31	N		41	93
A 621	5	J40-K	41	Y		46	290	TB3- 8	19	N		40	70
A 622	5	J40-L	41	Y		46	290	TB3- 7	19	N		40	71
A 623	5	J40-M	41	Y		46	290	TB4- 8	19	N		40	82
A 624	5	J40-N	41	Y		46	290	TB4- 7	19	N		40	83
A 625	6	J40-S	41	Y		46	290	TB16- 8	31	N		41	262
A 626	6	J40-T	41	Y		46	290	TB16-10	31	N		41	262
A 627	6	J40-U	41	Y		46	290	TB14-10	31	N		41	265
A 628	6	J40-V	41	Y		46	290	TB10- 4	31	N		41	36
A 629	6	J40-W	41	Y		46	290	TB9- 6	31	N		41	35
A 630	12		180	150	90 67 59 5				250	220	51		7A
A 630A	2	SHLD A630	25	N				E62-B	38	N			292
A 630L		J40-E*	28	Y		47	290	TB17-10C	19	N		43	261

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 99 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T (2)	B	TERMINATION SPEC. (1)	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T (2)	B	TERMINATION SPEC. (1)	ITEM NO.	NO.
A 630R		J40-D*	28	Y		47	290	TB17- 9C	19	N		43	261
A 631	10		180	150	50 64 56 5				250	220	52		7A
A 631A	2	SHLD A631	25	N				E63-B	38	N			278
A 631L		J41-C	22	N			280	TB13-18D	19	N		42	266
A 631R		J41-B	22	N			280	TB13-17D	19	N		42	266
A 632	10		230	200	50 64 56 5				250	220	52		7A
A 632A	2	SHLD A632	25	N				E63-B	38	N			278
A 632L		J41-E	22	N			280	TB13-14C	19	N		42	266
A 632R		J41-D	22	N			280	TB13-13C	19	N		42	266
A 633	10		280	250	50 64 56 5				250	220	52		7A
A 633A	2	SHLD A633	25	N				E63-B	38	N			278
A 633L		J41-G	22	N			280	TB17-16A	19	N		42	261
A 633R		J41-F	22	N			280	TB17-15A	19	N		42	261
A 644	3	J41-M	22	N			280	E63-B	38	N			278
A 645	1	J41-N	22	N			280	TB7-12C	19	N		42	33
A 646	1	J41-P	22	N			280	K20- 5	31	Y		46	178
A 647	1	J41-R	22	N			280	K20- 3	31	Y		47	178
A 648	10		330	300	50 64 56 5				250	220	52		7A

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 100 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T (2)	B	TERMINATION SPEC. (1)	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T (2)	B	TERMINATION SPEC. (1)	ITEM NO.	NO.
A 648A	2	SHLD A648	25	N				E63-B	38	N			278
A 648L		J41-D*	22	N			280	TB7- 4C	19	N		42	33
A 648R		J41-C*	22	N			280	TB7- 3C	19	N		42	33
A 649	10		180	150	50 64 56 5				250	220	52		7A
A 649A	2	SHLD A649	25	N				E63-B	38	N			278
A 649L		J41-I*	22	N			280	TB13- 5D	19	N		42	266
A 649R		J41-J*	22	N			280	TB13- 4D	19	N		42	266
A 650	10		230	200	50 64 56 5				250	220	52		7A
A 650A	2	SHLD A650	25	N				E63-B	38	N			278
A 650L		J41-P*	22	N			280	TB7- 6C	19	N		42	33
A 650R		J41-N*	22	N			280	TB7- 5C	19	N		42	33
A 651	1	J41-U*	22	N			280	J44-T	22	N			274
A 652	1	J41-V*	22	N			280	J44-W	22	N			274
A 653	1	J41-W*	22	N			280	J44-X	22	N			274
A 654	3	J42-B	22	N			279	E63-B	38	N			278
A 655	10		180	150	50 64 56 5				250	220	52		7A
A 655A	2	SHLD A655	25	N				E63-B	38	N			278
A 655L		J42-B*	22	N			279	J43-S*	22	N			275

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 101 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T (2)	B	TERMINATION SPEC. (1)	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T (2)	B	TERMINATION SPEC. (1)	ITEM NO.	NO.
A 655R		J42-A*	22	N			279	J43-R*	22	N			275
A 656	10		230	200	50 64 56 5				250	220	52		7A
A 656A	2	SHLD A656	25	N				E63-B	38	N			278
A 656L		J42-D*	22	N			279	J43-U*	22	N			275
A 656R		J42-C*	22	N			279	J43-T*	22	N			275
A 657	3	J43-A	22	N			275	E84-B	38	N			150
A 658	3	K3- 9	31	Y		47	50	E87-B	38	N			263
A 659	3	J43-G	22	N			275	E65-B	38	N			276
A 660	3	J43-N	22	N			275	E87-B	38	N			263
A 661	3	J43-P	22	N			275	TB12-40	25	Y			200
A 662	8		180	150	52 63 55 5				250	220	53		7A
A 662A	2	SHLD A662	25	N				E65-B	38	N			276
A 662W		J43-S	22	N			275	K8-12	31	Y		47	39
A 663	11		230	200	51 87 86 5				250	220	51		7A
A 663A	2	SHLD A663	25	N				E65-B	38	N			276
A 663L		J43-U	22	N			275	K8-10	31	Y			39
A 663R		J43-T	22	N			275	K8-14	31	Y			39
A 664	3	J43-V	22	N			275	TB14- 8	19	N		39	269

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 102 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (1)	(2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	?	T	S	TERMINATION SPEC. (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	?	T	S	TERMINATION SPEC. (1) ITEM NO.	NO.
A 665	1		J43-W	22N				275	P6-R	31Y	90			114
A 666	8			280	250	52	63 55 5			200	170	53	7A	
A 666A	2		SHLD A666	25N					E65-B	38N				276
A 666W			J43-Y	22N				275	TB13-13F	19N	42			266
A 667	3		J43-Z	22N				275	P6-D	31Y				114
A 668	3		J43-A*	22N				275	E65-B	38N				276
A 669	1		J43-B*	22N				275	P6-W	31Y	90			114
A 670	3		J43-C*	22N				275	K8- 3	31Y	47			99
A 671	1		J43-D*	22N				275	P6-P	31Y	90			114
A 672	1		J43-E*	22N				275	P2-E	31Y	90			119
A 673	1		J43-F*	22N				275	P2-H	31Y	90			119
A 674	3		J43-I*	22N				275	P6-Z	31Y				114
A 675	11			330	300	51	87 86 5			250	220	51	7A	
A 675A	2		SHLD A675	25N					E65-B	38N				276
A 675L			J43-K*	22N				275	K20- 8	31Y	47			178
A 675R			J43-J*	22N				275	K20-14	31Y	47			178
A 676	3		J43-V*	22N				275	P6-A	31Y				114
A 677	1		J44-B	22N				274	TB17- 8C	19N	42			261

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 103 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (1)	(2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	?	T	S	TERMINATION SPEC. (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	?	T	S	TERMINATION SPEC. (1) ITEM NO.	NO.
A 678	7			180	150	52	63 54 5			200	170	53	7A	
A 678A	2		SHLD A678	25N					E66-B	38N				273
A 678W			J44-C	22N				274	K30-13	31Y				209
A 679	10			280	200	50	64 56 5			250	220	52	7A	
A 679A	2		SHLD A679	25N					E66-B	38N				273
A 679L			J44-E	22N				274	K19- 9	31Y	46			177
A 679R			J44-D	22N				274	K19-13	31Y	47			177
A 680	10			280	250	50	64 56 5			250	220	52	7A	
A 680A	2		SHLD A680	25N					E66-B	38N				273
A 680L			J44-G	22N				274	K19- 8	31Y	47			177
A 680R			J44-F	22N				274	K19-14	31Y	47			177
A 681	10			330	300	50	64 56 5			250	220	52	7A	
A 681A	2		SHLD A681	25N					E66-B	38N				273
A 681L			J44-J	22N				274	K30- 8	31Y	47			209
A 681R			J44-H	22N				274	K30-14	31Y	47			209
A 682	1		J44-K	22N				274	K20- 7	31Y	47			178
A 683	9			180	150	52	63 55 5			200	170	53	7A	
A 683A	2		SHLD A683	25N					E66-B	38N				273

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 104 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (1)	(2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	?	T	S	TERMINATION SPEC. (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	?	T	S	TERMINATION SPEC. (1) ITEM NO.	NO.
A 683W			J44-L	22N				274	J45-K*	22N				268
A 684	9			230	200	52	63 55 5			200	170	53	7A	
A 684A	2		SHLD A684	25N					E66-B	38N				273
A 684W			J44-M	22N				274	J45-M*	22N				268
A 685	1		J44-R	22N				274	K8- 7	31Y	47			99
A 686	1		J44-S	22N				274	P2-C	31Y	90			119
A 687	1		J44-U	22N				274	P2-B	31Y	90			119
A 688	10			280	250	50	64 56 5			250	220	52	7A	
A 688A	2		SHLD A688	25N					E63-B	38N				278
A 688L			J42-U*	22N				279	TB17-17C	19N	42			261
A 688R			J42-T*	22N				279	TB17-18C	19N	42			261
A 689	1		J44-Y	22N				274	P6-E	31Y				114
A 690	1		J44-Z	22N				274	P2-P	31Y				119
A 691	9		J44-A*	22N				274	E66-B	38N				273
A 692	1		J44-B*	22N				274	P2-D	31Y				119
A 693	1		J44-C*	22N				274	P2-X	31Y				119
A 694	3		J44-D*	22N				274	P2-S	31Y				119
A 695	3		J44-E*	22N				274	P2-F	31Y				119

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 105 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (1)	(2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	?	T	S	TERMINATION SPEC. (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	?	T	S	TERMINATION SPEC. (1) ITEM NO.	NO.
A 696	9		J44-M*	22N				274	P2-L	31Y	90			119
A 697	1		J44-N*	22N				274	P2-A*	31Y	90			119
A 698	1		J44-P*	22N				274	P2-Z	31Y	90			119
A 699	1		J44-R*	22N				274	P2-N	31Y	90			119
A 700	1		J44-S*	22N				274	P2-M	31Y	90			119
A 701	7			330	300	52	63 54 5			200	170	53	7A	
A 701A	2		SHLD A701	25N					E66-B	38N				273
A 701W			J44-AA	22N				274	K27- 1	31Y	47			206
A 702	7			180	150	52	63 54 5			200	170	53	7A	
A 702A	2		SHLD A702	25N					E66-B	38N				273
A 702W			J44-BB	22N				274	K28- 1	31Y	47			207
A 703	3		J44-CC	22N				274	K20- 1	31Y	47			178
A 704	3		J44-DD	22N				274	P2-A	31Y	90			119
A 705	3		J45-B	22N				268	E67-B	38N				269
A 706	3		J45-H*	22N				268	E87-B	38N				263
A 707	3		J45-N*	22N				268	E87-B	38N				263
A 708	3		J45-S*	22N				268	TB13-12A	19N	43			266
A 709	10			180	150	50	64 56 5			250	220	52	7A	

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 106 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	1	TERMINATION SPEC. 1	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	3	1	TERMINATION SPEC 1	ITEM NO.	NO
A 709A	2		SHLD A709	25N					E67-P	38N				269
A 709L			J45-X*	22N				268	TB17- 6B	19N		42		261
A 709R			J45-W*	22N				268	TB17- 5B	19N		42		261
A 710	10			230	200 50 64 56 5					250	220 52		7A	
A 710A	2		SHLD A710	25N					E67-B	38N				269
A 710L			J45-Y*	22N				268	TB11- 5E	19N		42		37
A 710R			J45-Z*	22N				268	TB11- 3E	19N		42		37
A 711	10			280	250 50 64 56 5					250	220 52		7A	
A 711A	2		SHLD A711	25N					E67-B	38N				269
A 711L			J45-CC	22N				268	TB17- 2B	19N		42		261
A 711R			J45-BB	22N				268	TB17- 1B	19N		42		261
A 712	10			330	300 50 64 56 5					250	220 52		7A	
A 712A	2		SHLD A712	25N					E67-B	38N				269
A 712L			J45-EE	22N				268	TB17- 4B	19N		42		261
A 712R			J45-DD	22N				268	TB17- 3B	19N		42		261
A 713	3		J45-GG	22N				268	TB12-20	25Y				191B
A 714	4		J46-D	28Y		47		267	TB5- 3	19N		40		64
A 715	4		J46-E	28Y		47		267	TB16- 9	19N		40		262

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AR | SHEET 107 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	1	TERMINATION SPEC. 1	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	3	1	TERMINATION SPEC 1	ITEM NO.	NO
A 716	6		J46-I	28Y		46		267	TB2- 5	31N		41		96
A 717	6		J46-J	28Y		46		267	TB2- 4	31N		41		97
A 718	5		J46-K	41Y		46		267	TB3- 5	19N		40		74
A 719	5		J46-L	41Y		46		267	TB3- 4	19N		40		75
A 720	5		J46-M	41Y		46		267	TB4- 5	19N		40		85
A 721	5		J46-N	41Y		46		267	TB4- 4	19N		40		86
A 722	6		J46-S	41Y		46		267	TB16-12	31N		41		262
A 723	6		J46-T	41Y		46		267	TB16-14	31N		41		262
A 724	6		J46-U	41Y		46		267	TB14-12	31N		41		265
A 725	6		J46-V	41Y		46		267	TB10- 6	31N		41		36
A 726	6		K1-A 1	31N		41		43	TB2- 1	31N		41		100
A 727	6		K1-A 2	31N		41		40	K2-A 1	31N		41		45
A 728	6		K1-B 1	31N		41		43	TB2- 6	31N		41		94
A 729	3		K1-X 1	19N		45		41	K6- 4	31Y		46		47
A 730	3		K1-X 2	19N		45		41	K6-11	31Y		46		47
A 731	6		K2-A 2	31N		41		45	XF2- 1	31Y				146
A 732	3		K2-X 1	19N		45		44	TB1- 4	25Y				109
A 733	3		K2-X 2	19N		45		44	TB6- 7D	19N		43		38

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AR | SHEET 108 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	1	TERMINATION SPEC. 1	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	3	1	TERMINATION SPEC 1	ITEM NO.	NO
A 794	4		K3- 2	31Y		47		50	K6- 5	31Y		47		47
A 735	4		K3- 3	31Y		47		50	XF1- 1	31Y				147
A 736	3		K3- 5	31Y		47		50	TB1- 6	25Y				108
A 737	3		K3-11	31Y		47		50	TB6- 7E	19N		43		38
A 738	4		K4- 2	31Y		47		49	E15	25Y				42
A 739	3		K17- 4	31Y		47		175	E15	25Y				42
A 740	4		K4- 3	31Y		47		49	XF3- 1	31Y				138
A 741	1		K4- 5	31Y		46		49	TB1- 8	25Y				107
A 742	3		K4-11	31Y		47		49	TB6- 8A	19N		43		38
A 743	4		K5- 2	31Y		47		48	K6-12	31Y		47		47
A 744	4		K5- 3	31Y		47		48	XF4- 1	31Y				137
A 745	1		K5- 5	31Y		46		48	TB1-10	25Y				106
A 746	3		K5-11	31Y		47		48	TB6- 8B	19N		43		38
A 747	3		K6- 3	31Y		47		47	TB7-12E	19N		43		33
A 748	3		K6- 4	31Y		47		47	TB1-20	25Y				104
A 749	4		K6- 6	31Y		47		47	TB5- 1	19N		40		66
A 750	4		K6- 7	31Y		47		47	TB5- 6	19N		40		61
A 751	4		K6- 8	31Y		47		47	TB3- 6	19N		40		73

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AR | SHEET 109 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	1	TERMINATION SPEC. 1	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	3	1	TERMINATION SPEC 1	ITEM NO.	NO
A 752	4		K6- 9	31Y		47		47	TR3- 1	19N		40		78
A 753	3		K6-11	31Y				47	TB1-19	19N		43		105
A 754	4		K6-13	31Y		47		47	TB4- 1	19N		40		88
A 755	4		K6-14	31Y		47		47	TB4- 6	19N		40		84
A 756	3		K7- 2	31Y		49		46	TB7-20F	19N		43		33
A 757	3		K7- 4	31Y		49		46	K25- 4	31Y		48		205
A 758	3		K8- 4	31Y		46		39	TB1- 2	25Y				110
A 760	1		K8- 8	31Y		46		39	TB6- 6B	19N		42		38
A 761	11			250	220 51 87 86 5					250	220 51		7A	
A 761B	2		SHLD A761	25N					E20-R	38N				22
A 761L			K8- 8	31Y				39	TR17-12C	19N		42		261
A 761R			K8-14	31Y		46		39	TB17-11C	19N		42		261
A 762	3		K8-11	31Y		47		39	TB6- 7C	19N		43		38
A 763	3		K17- 2	31Y		47		175	TB7-12D	19N		43		33
A 764	3		K17- 3	31Y		47		175	K19- 4	31Y		46		177
A 765	3		K17- 4	31Y				175	TB12-40	25Y				200
A 766	3		K17-11	31Y		47		175	TB12-39	25Y				201
A 767	12			250	220 90 67 59 5					250	200 51		7A	

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AR | SHEET 110 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	(1)	(5)	TERMINATION SPEC. (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	(1)	(5)	TERMINATION SPEC. (1) ITEM NO.	NO.
A 767A	2	SHLD A767	25N				E68-B	38N			179
A 767L		K18- 1	31Y		47	176	K19-10	31Y		47	177
A 767R		K18- 7	31Y		47	176	K19-12	31Y		47	177
A 768	12		250	220 90 67 59 5				250	220 51	7A	
A 768A	2	SHLD A768	25N				E68-B	38N			179
A 768L		K18- 2	31Y			176	K29- 2	31Y		47	208
A 768R		K18- 6	31Y			176	K29- 6	31Y		47	208
A 769	12		250	220 90 67 59 5				250	220 51	7A	
A 769A	2	SHLD A769	25N				E68-B	38N			179
A 769L		K18- 5	31Y		47	176	K19- 5	31Y		47	177
A 769R		K18- 3	31Y		47	176	K19- 3	31Y		47	177
A 770	3	K18- 4	31Y		47	176	TB12- 4	25Y			184
A 771	3	K18-11	31Y		47	176	TB7-13C	19N		43	33
A 772	3	K19- 4	31Y			177	K30- 4	31Y		46	209
A 773	3	K19- 9	31Y			177	K30- 9	31Y		47	209
A 774	3	K19-11	31Y		46	177	K30-11	31Y		47	209
A 775	3	K19-11	31Y			177	TB7-13D	19N		43	33
A 776	3	K20- 4	31Y		47	178	TB12- 8	25Y			186

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(5) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 111 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	(1)	(5)	TERMINATION SPEC. (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	(1)	(5)	TERMINATION SPEC. (1) ITEM NO.	NO.
A 777	3	K20- 5	31Y			178	K17-11	25Y			175
A 778	11		180	150 87 86 51 5				250	220 51	7A	
A 778A	2	SHLD A778	25N				E69-B	38N			181
A 778L		K20-10	31Y		47	178	K32- 8	31Y		46	211
A 778R		K20-12	31Y		47	178	K32-14	31Y		46	211
A 779	3	K20-11	31Y		47	178	TB7-13E	19N		43	33
A 780	12		250	220 90 67 59 5				250	220 51	7A	
A 780A	2	SHLD A780	25N				E69-B	38N			181
A 780L		K21- 2	31Y			180	E6	25Y			144
A 780R		K21- 6	31Y			180	XF5- 1	31Y			144
A 781	3	K21- 4	31Y		47	180	TB12-38	25Y			199
A 782	10		250	220 50 64 56 5				250	220 52	7A	
A 782A	2	SHLD A782	25N				E69-B	38N			181
A 782L		K21- 9	31Y		47	180	TB7-10A	19N		43	33
A 782R		K21-13	31Y		47	180	TB7- 9A	19N		43	33
A 783	3	K21-11	31Y		47	180	TB12-37	25Y			198
A 784	3	K22- 2	31Y		49	202	TB7-20D	19N		43	33
A 785	3	K22- 7	31Y			202	TR13-12F	19N		43	266

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(5) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 112 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	(1)	(5)	TERMINATION SPEC. (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	(1)	(5)	TERMINATION SPEC. (1) ITEM NO.	NO.
A 786	3	K23- 2	31Y		49	203	TB7-20R	19N		43	33
A 787	10		250	220 50 64 56 5				250	220 52	7A	
A 787A	2	SHLD A787	25N				E68-B	38N			179
A 787L		K23- 3	31Y			203	K38-12	31Y			217
A 787R		K23- 5	31Y		49	203	K38-10	31Y			217
A 788	3	K24- 2	31Y		49	204	TR7-20C	19N		43	33
A 789	3	K25- 2	31Y		49	205	TR7-15D	19N		43	33
A 790	3	K27- 2	31Y		47	206	K28- 2	31Y		46	207
A 791	3	K27- 4	31Y		47	206	TB12-12	25Y			188
A 792	3	K27-11	31Y		47	206	TB7-14B	19N		43	33
A 793	3	K28- 2	31Y			207	K32- 7	31Y		46	211
A 794	11		250	220 51 87 86 5				250	220 51	7A	
A 794A	2	SHLD A794	25N				E68-B	38N			179
A 794L		K24- 3	31Y			204	TB13- 8D	19N		42	266
A 794R		K24- 5	31Y		49	204	TB13- 7D	19N		42	266
A 795	3	K28- 4	31Y		47	207	TB12-14	25Y			189
A 796	3	K28-11	31Y		47	207	TB7-14C	19N		43	33
A 797	11		250	220 51 87 86 5				250	220 51	7A	

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(5) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 113 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	(1)	(5)	TERMINATION SPEC. (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	(1)	(5)	TERMINATION SPEC. (1) ITEM NO.	NO.
A 797A	2	SHLD A797	25N				E68-B	38N			179
A 797L		K29- 1	31Y		47	208	K30-10	31Y		47	209
A 797R		K29- 7	31Y		47	208	K30-12	31Y		47	209
A 798	11		250	220 51 87 86 5				250	220 51	7A	
A 798A	2	SHLD A798	25N				E68-B	38N			179
A 798L		K29- 3	31Y		47	208	K30- 3	31Y		47	209
A 798R		K29- 5	31Y		47	208	K30- 5	31Y		47	209
A 799	3	K29- 4	31Y		47	208	TB12- 2	25Y			183
A 800	3	K29-11	31Y		47	208	TB7-13B	19N		43	33
A 801	3	K30- 4	31Y			209	TB12- 6	25Y			185
A 802	3	K31- 3	31Y		47	210	TB7-11D	19N		43	33
A 803	3	K31-13	31Y		47	210	K32- 4	31Y		46	211
A 804	11		250	220 51 87 86 5				250	220 51	7A	
A 804A	2	SHLD A804	25N				E69-B	38N			181
A 804L		K31- 6	31Y		47	210	E11	25Y			128
A 804R		K31- 9	31Y		47	210	XF12- 1	31Y			127
A 805	11		250	220 51 87 86 5				250	220 51	7A	
A 805A	2	SHLD A805	25N				E69-R	38N			181

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(5) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 114 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO.	TO NO.
A 805L		X31- 7	31Y	47	210	TB17-16B	19N	42	261
A 805R		X31- 8	31Y	47	210	TB17-15B	19N	42	261
A 806	3	X30-11	31Y		209	K32-11	31Y	46	211
A 807	11		250 220 51 87 86 5				250 220 51	7A	
A 807A	2	SHLD A807	25N			E69-B	38N		181
A 807L		K32- 1	31Y	47	211	TB13-14E	19N	42	266
A 807R		K32- 7	31Y		211	TB13-13E	19N	42	266
A 808	11		250 220 51 87 86 5				250 220 51	7A	
A 808A	2	SHLD A808	25N			E69-B	38N		181
A 808L		K32- 2	31Y	47	211	E9	25Y		135
A 808R		K32- 6	31Y	47	211	XF9- 1	31Y		134
A 809	3	K32- 4	31Y		211	TB12-36	25Y		196
A 810	11		250 220 51 87 86 5				250 220 51	7A	
A 810A	2	SHLD A810	25N			E69-B	38N		181
A 810L		K32- 8	31Y		211	TB13-18E	19N	42	266
A 810R		K32-14	31Y		211	TB13-17E	19N	42	266
A 811	11		250 220 51 87 86 5				250 220 51	7A	
A 811A	2	SHLD A811	25N			E69-B	38N		181

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 115 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO.	TO NO.
A 811L		K32- 9	31Y	47	211	E7	25Y		143
A 811R		K32-13	31Y	47	211	XF6- 1	31Y		142
A 812	3	K32-11	31Y		211	TB12-35	25Y		197
A 813	15		250 220 51 66 86 5				250 220 51	7A	
A 813A	2	SHLD A813	25N			E69-B	38N		181
A 813L		K33- 2	31Y	47	212	XF11- 1	31Y		131
A 813R		K33- 6	31Y	47	212	XF10- 1	31Y		133
A 813Y		K33- 9	31Y	47	212	E10	25Y		132
A 814	3	K33-13	31Y	49	212	K34- 4	31Y	48	213
A 815	3	K33- 4	31Y		212	TB12-34	25Y		194
A 816	3	K37- 2	31Y		216	K34-11	31Y	48	213
A 817	3	K33-11	31Y		212	TB12-33	25Y		195
A 818	11		250 220 51 87 86 5				250 220 51	7A	
A 818A	2	SHLD A818	25N			E70-B	38N		233
A 818L		K34- 7	31Y		213	TB13- 2E	19N	42	266
A 818R		K34- 1	31Y		213	TB13- 1E	19N	42	266
A 819	11		250 220 51 87 86 5				250 220 51	7A	
A 819A	2	SHLD A819	25N			E70-B	38N		233

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 116 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO.	TO NO.
A 819L		K34- 6	31Y	47	213	E13	25Y		124
A 819R		K34- 2	31Y	47	213	XF14- 1	31Y		123
A 820	3	K34- 9	31Y	47	213	XF15- 1	31Y		122
A 821	11		250 220 51 87 86 5				250 220 51	7A	
A 821A	2	SHLD A821	25N			E70-B	38N		233
A 821L		K35- 7	31Y		214	TB17-19D	19N	42	261
A 821R		K35- 1	31Y		214	TB17-20D	19N	42	261
A 822	11		250 220 51 87 86 5				250 220 51	7A	
A 822A	2	SHLD A822	25N			E70-B	38N		233
A 822L		K35- 6	31Y	47	214	E14	25Y		121
A 822R		K35- 2	31Y	47	214	XF16- 1	31Y		120
A 823	3	K35- 4	31Y	46	214	K37- 1	31Y	48	216
A 824	3	K35- 4	31Y		214	TB12-32	25Y		192
A 825	11		250 220 51 87 86 5				250 220 51	7A	
A 825A	2	SHLD A825	25N			E70-B	38N		233
A 825L		K35-14	31Y	47	214	TB11- 6E	19N	42	37
A 825R		K35- 8	31Y	47	214	TB11- 4E	19N	42	37
A 826	11		250 220 51 87 86 5				250 220 51	7A	

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 117 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO.	TO NO.
A 826A	2	SHLD A826	25N			E70-P	38N		233
A 826L		K35-13	31Y	47	214	E12	25Y		125
A 826R		K35- 9	31Y	47	214	XF13- 1	31Y		126
A 827	3	K35-11	31Y	46	214	K37- 2	31Y	48	216
A 828	3	K35-11	31Y		214	TB12-31	25Y		193
A 829	15		250 220 51 66 86 5				250 220 51	7A	
A 829A	2	SHLD A829	25N			E70-B	38N		233
A 829L		K36- 9	31Y	47	215	K37- 6	31Y	48	216
A 829R		K36- 2	31Y	47	215	K37- 9	31Y	48	216
A 829Y		K36- 6	31Y	47	215	K37- 2	31Y	48	216
A 830	15		250 220 51 66 86 5				250 220 51	7A	
A 830A	2	SHLD A830	25N			E70-B	38N		233
A 830L		K36-10	31Y	47	215	K37- 8	31Y	49	216
A 830R		K36- 3	31Y	47	215	K37-11	31Y	49	216
A 830Y		K36- 5	31Y	47	215	K37- 5	31Y	49	216
A 831	3	K36- 4	31Y		215	TB12-10	25Y		187
A 832	3	K36-11	31Y	47	215	TB7-13F	19N	43	33
A 833	15		250 220 51 66 86 5				250 220 51	7A	

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 118 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T (2)	B	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T (2)	B	TERMINATION SPEC (1) ITEM NO.	NO.
A 833A	2	SHLD A833	25N				E70-8	38N			223
A 833L		K37- 6	31Y			216	E8	25Y			140
A 833R		K37- 9	31Y			216	XF8- 1	31Y			139
A 833Y		K37- 3	31Y			216	XF7- 1	31Y			141
A 834	3	K38- 1	31Y	49		217	K54-15	31Y	49		241
A 835	3	K38- 2	31Y	49		217	K54- 2	31Y	48		241
A 836	10		250	220 50 64 56 5				250	220 52	7A	
A 836A	2	SHLD A836	25N				E71-8	38N			234
A 836L		K38- 6	31Y	48		217	K41- 6	31Y	49		220
A 836R		K38- 3	31Y	49		217	K41- 3	31Y	49		220
A 837	10		250	220 50 64 56 5				250	220 52	7A	
A 837A	2	SHLD A837	25N				E71-8	38N			234
A 837L		K38- 8	31Y			217	K39- 3	31Y			218
A 837R		K38- 4	31Y			217	K39- 5	31Y	49		218
A 838	10		250	220 50 64 56 5				250	220 52	7A	
A 838A	2	SHLD A838	25N				E71-8	38N			234
A 838L		K38-12	31Y			217	K55- 6	31Y	48		242
A 838R		K38- 9	31Y	49		217	K55- 3	31Y	48		242

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 119 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T (2)	B	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T (2)	B	TERMINATION SPEC (1) ITEM NO.	NO.
A 839	3	K39- 2	31Y	48		218	TB7-20E	19N	43		33
A 840	3	K40- 2	31Y	49		219	TB7-19C	19N	43		33
A 841	10		250	220 50 64 56 5				250	220 52	7A	
A 841A	2	SHLD A841	25N				E71-8	38N			234
A 841L		K40- 6	31Y	49		219	K55- 6	31Y			242
A 841R		K40- 3	31Y	49		219	K55- 3	31Y			242
A 842	10		250	220 50 64 56 5				250	220 52	7A	
A 842A	2	SHLD A842	25N				E71-8	38N			234
A 842L		K40- 7	31Y	49		219	K41- 8	31Y	49		220
A 842R		K40- 4	31Y	49		219	K41- 5	31Y	49		220
A 843	10		250	220 50 64 56 5				250	220 52	7A	
A 843A	2	SHLD A843	25N				E71-8	38N			234
A 843L		K40- 8	31Y	49		219	K54-12	31Y	49		241
A 843R		K40- 5	31Y	49		219	K54- 9	31Y	49		241
A 844	3	K41- 2	31Y	49		220	TB7-19B	19N	43		33
A 845	10		250	220 50 64 56 5				250	220 52	7A	
A 845A	2	SHLD A845	25N				E73-8	38N			238
A 845L		K41- 7	31Y	49		220	K56- 7	31Y	48		243

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 120 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T (2)	B	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T (2)	B	TERMINATION SPEC (1) ITEM NO.	NO.
A 845R		K41- 4	31Y	49		220	K56-10	31Y	49		243
A 846	3	K42-18	31Y	49		221	K43- 1	31Y	48		222
A 847	3	K42- 2	31Y	49		221	K43- 2	31Y	48		222
A 848	3	K43- 1	31Y			222	K59- 1	31Y	48		249
A 849	3	K43- 2	31Y			222	K59- 2	31Y	48		249
A 850	10		250	220 50 64 56 5				250	220 52	7A	
A 850A	2	SHLD A850	25N				E73-8	38N			236
A 850L		K43-14	31Y	49		222	TB17- 2D	19N	42		261
A 850R		K43-17	31Y	49		222	TB17- 1D	19N	42		261
A 851	3	K44-18	31Y	49		223	K45- 1	31Y			224
A 852	3	K44- 2	31Y	48		223	K45- 2	31Y	48		224
A 853	3	K44- 2	31Y			223	TB7-18E	19N	43		33
A 854	3	K44- 4	31Y	49		223	K45-19	31Y	49		224
A 855	10		250	220 50 64 56 5				250	220 52	7A	
A 855A	2	SHLD A855	25N				E73-8	38N			236
A 855L		K44-10	31Y			223	K59-16	31Y			249
A 855R		K44- 7	31Y			223	K59-19	31Y			249
A 856	10		250	220 50 64 56 5				250	220 52	7A	

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 121 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T (2)	B	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T (2)	B	TERMINATION SPEC (1) ITEM NO.	NO.
A 856A	2	SHLD A856	25N				E73-8	38N			236
A 856L		K44-11	31Y	49		223	TB11-16D	19N	42		37
A 856R		K44- 8	31Y	49		223	TB11-15D	19N	42		37
A 857	10		250	220 50 64 56 5				250	220 52	7A	
A 857A	2	SHLD A857	25N				E73-8	38N			236
A 857L		K44-16	31Y			223	K59-10	31Y			249
A 857R		K44-13	31Y			223	K59-13	31Y			249
A 858	10		250	220 50 64 56 5				250	220 52	7A	
A 858A	2	SHLD A858	25N				E73-8	38N			236
A 858L		K44-17	31Y	49		223	TB11-18D	19N	42		37
A 858R		K44-14	31Y	49		223	TB11-17D	19N	42		37
A 859	10		250	220 50 64 56 5				250	220 52	7A	
A 859A	2	SHLD A859	25N				E73-8	38N			236
A 859L		K45- 7	31Y			224	K59- 4	31Y			249
A 859R		K45- 4	31Y			224	K59- 7	31Y			249
A 860	10		250	220 50 64 56 5				250	220 52	7A	
A 860A	2	SHLD A860	25N				E73-8	38N			236
A 860L		K45- 8	31Y	49		224	K59- 5	31Y	48		249

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 122 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	(1)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	(1)	TERMINATION SPEC (1) ITEM NO.	NO.
A 860R		K45- 5	31Y	49	224	K59- 8	31Y	48	249
A 861	10		250 220 50 64 56 5				250 220 52	7A	
A 861A	2	SHLD A861	25N			E73-B	38N		236
A 861L		K45-13	31Y		224	K60-10	31Y		250
A 861R		K45-10	31Y		224	K60-13	31Y		250
A 862	10		250 220 50 64 56 5				250 220 52	7A	
A 862A	2	SHLD A862	25N			E73-B	38N		236
A 862L		K45-14	31Y	49	224	K60-11	31Y	48	250
A 862R		K45-11	31Y	49	224	K60-14	31Y	48	250
A 863	3	K46-18	31Y	49	225	K47- 1	31Y	48	226
A 864	3	K46- 2	31Y	49	225	K47- 2	31Y	48	226
A 865	3	K47- 2	31Y		226	K64- 2	31Y	48	254
A 866	10		250 220 50 64 56 5				250 220 52	7A	
A 866A	2	SHLD A866	25N			E75-B	38N		238
A 866L		K47-14	31Y	49	226	TB17- 4D	19N	42	261
A 866R		K47-17	31Y	49	226	TB17- 3D	19N	42	261
A 867	3	K48-18	31Y	49	227	K49- 1	31Y		228
A 868	3	K48- 2	31Y	48	227	K49- 2	31Y	48	228

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 123 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	(1)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	(1)	TERMINATION SPEC (1) ITEM NO.	NO.
A 869	3	K48- 2	31Y		227	TB7-17D	19N	43	33
A 870	3	K48- 4	31Y	49	227	K49-15	31Y	49	228
A 871	10		250 220 50 64 56 5				250 220 52	7A	
A 871A	2	SHLD A871	25N			E75-B	38N		238
A 871L		K48-10	31Y		227	K63-16	31Y		253
A 871R		K48- 7	31Y		227	K63-19	31Y		253
A 872	10		250 220 50 64 56 5				250 220 52	7A	
A 872A	2	SHLD A872	25N			E75-B	38N		238
A 872L		K48-11	31Y	49	227	TB11-12E	19N	42	37
A 872R		K48- 8	31Y	49	227	TB11-11E	19N	42	37
A 873	10		250 220 50 64 56 5				250 220 52	7A	
A 873A	2	SHLD A873				E75-B	38N		238
A 873L		K48-16	31Y		227	K63-10	31Y		253
A 873R		K48-13	31Y		227	K63-13	31Y		253
A 874	10		250 220 50 64 56 5				250 220 52	7A	
A 874A	2	SHLD A874	25N			E75-B	38N		238
A 874L		K48-17	31Y	49	227	TB11-10E	19N	42	37
A 874R		K48-14	31Y	49	227	TB11- 9E	19N	42	37

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 124 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	(1)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	(1)	TERMINATION SPEC (1) ITEM NO.	NO.
A 875	10		250 220 50 64 56 5				250 220 52	7A	
A 875A	2	SHLD A875	25N			E75-B	38N		238
A 875L		K49- 7	31Y		228	K63- 4	31Y		253
A 875R		K49- 4	31Y		228	K63- 7	31Y		253
A 876	10		250 220 50 64 56 5				250 220 52	7A	
A 876A	2	SHLD A876	25N			E75-B	38N		238
A 876L		K49- 8	31Y	49	228	K63- 5	31Y	48	253
A 876R		K49- 5	31Y	49	228	K63- 8	31Y	48	253
A 877	10		250 220 50 64 56 5				250 220 52	7A	
A 877A	2	SHLD A877	25N			E75-B	38N		238
A 877L		K49-13	31Y		228	K64-10	31Y		254
A 877R		K49-10	31Y		228	K64-13	31Y		254
A 878	10		250 220 50 64 56 5				250 220 52	7A	
A 878A	2	SHLD A878	25N			E75-B	38N		238
A 878L		K49-14	31Y	49	228	K64-11	31Y	48	254
A 878R		K49-11	31Y	49	228	K64-14	31Y	48	254
A 879	3	K50-18	31Y	49	229	K51- 1	31Y	48	230
A 880	3	K50- 2	31Y	49	229	K51- 2	31Y	48	230

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 125 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	(1)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	(1)	TERMINATION SPEC (1) ITEM NO.	NO.
A 881	10		250 220 50 64 56 5				250 220 52	7A	
A 881A	2	SHLD A881	25N			E75-B	38N		238
A 881L		K50-14	31Y	49	229	TB17- 6D	19N	42	261
A 881R		K50-17	31Y	49	229	TB17- 5D	19N	42	261
A 882	3	K51- 1	31Y		230	K67- 1	31Y	48	257
A 883	3	K51- 2	31Y		230	K68- 2	31Y	48	258
A 884	3	K52-18	31Y	49	231	K53- 1	31Y		232
A 885	3	K52- 2	31Y	48	231	K53- 2	31Y	48	232
A 886	3	K52- 2	31Y		231	TB7-16D	19N	43	33
A 887	3	K52- 4	31Y	49	231	K53-15	31Y	49	232
A 888	1	K52-10	31Y	49	231	TB11-14E	19N	42	37
A 889	1	K52- 7	31Y	49	231	K67-19	31Y		257
A 890	10		250 220 50 64 56 5				250 220 52	7A	
A 890A	2	SHLD A890	25N			E76-B	38N		240
A 890L		K52-11	31Y	49	231	K67-17	31Y	48	257
A 890R		K52- 8	31Y	49	231	K67-20	31Y	48	257
A 891	1	K52-13	31Y	49	231	K67-13	31Y		257
A 892	1	K52-16	31Y	49	231	TB11- 8E	19N	42	37

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 126 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (3)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(4)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(4)	TERMINATION SPEC (1) ITEM NO.	NO.
A 893	10		250	220	50 64 56 5			250	220	52 7A	
A 893A	2	SHLD A893	25N				E76-B	38N			240
A 893L		K52-17	31Y		49	231	K67-11	31Y		48	257
A 893R		K52-14	31Y		49	231	K67-14	31Y		48	257
A 894	10		250	220	50 64 56 5			250	220	52 7A	
A 894A	2	SHLD A894	25N				E76-B	38N			240
A 894L		K53- 7	31Y			232	K67- 4	31Y			257
A 894R		K53- 4	31Y			232	K67- 7	31Y			257
A 895	10		250	220	50 64 56 5			250	220	52 7A	
A 895A	2	SHLD A895	25N				E76-B	38N			240
A 895L		K53- 8	31Y		49	232	K67- 5	31Y		48	257
A 895R		K53- 5	31Y		49	232	K67- 8	31Y		48	257
A 896	10		250	220	50 64 56 5			250	220	52 7A	
A 896A	2	SHLD A896	25N				E76-B	38N			240
A 896L		K53-13	31Y			232	K68-10	31Y			258
A 896R		K53-10	31Y			232	K68-13	31Y			258
A 897	10		250	220	50 64 56 5			250	220	52 7A	
A 897A	2	SHLD A897	25N				E76-B	38N			240

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 127 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (3)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(4)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(4)	TERMINATION SPEC (1) ITEM NO.	NO.
A 897L		K53-14	31Y		49	232	K68-11	31Y		48	258
A 897R		K53-11	31Y		49	232	K68-14	31Y		48	258
A 898	3	K54- 2	31Y			241	TB7-19E	19N		43	33
A 899	10		250	220	50 64 56 5			250	220	52 7A	
A 899A	2	SHLD A899	25N				E71-B	38N			234
A 899L		K54- 6	31Y		49	241	K55- 8	31Y		49	242
A 899R		K54- 3	31Y		49	241	K55- 5	31Y		49	242
A 900	10		250	200	50 64 56 5			250	220	52 7A	
A 900A	2	SHLD A900	25N				E71-B	38N			234
A 900L		K54- 8	31Y			241	K55- 7	31Y			242
A 900R		K54- 5	31Y			241	K55- 4	31Y			242
A 901	10		250	220	50 64 56 5			250	220	52 7A	
A 901A	2	SHLD A901	25N				E71-B	38N			234
A 901L		K54-14	31Y		49	241	K56- 7	31Y			243
A 901R		K54-11	31Y		49	241	K56- 4	31Y		48	243
A 902	3	K55- 2	31Y		49	242	TB7-19D	19N		43	33
A 903	3	K56- 2	31Y		49	243	TB7-18B	19N		43	33
A 904	7		250	220	52 63 54 5			200	170	53 7A	

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AR | SHEET 128 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (3)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(4)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(4)	TERMINATION SPEC (1) ITEM NO.	NO.
A 904A	2	SHLD A904	25N				E71-B	38N			234
A 904M		K56- 3	31Y		49	243	E4	25Y			246
A 905	10		250	220	50 64 56 5			250	220	52 7A	
A 905A	2	SHLD A905	25N				E71-B	38N			234
A 905L		K56- 6	31Y		49	243	E2	25Y			244
A 905R		K56- 9	31Y		49	243	E3	25Y			245
A 906	3	K57-15	31Y		48	247	K58- 1	31Y		49	248
A 907	3	K57- 2	31Y		48	247	TB7-18C	19N		43	33
A 908	3	K57- 2	31Y			247	K58- 2	31Y		49	248
A 909	10		250	220	50 64 56 5			250	220	52 7A	
A 909A	2	SHLD A909	25N				E72-B	38N			235
A 909L		K57- 3	31Y		49	247	K61- 3	31Y		48	251
A 909R		K57- 6	31Y		49	247	K61- 6	31Y		48	251
A 910	10		250	200	50 64 56 5			250	220	52 7A	
A 910A	2	SHLD A910	25N				E72-B	38N			235
A 910L		K57- 5	31Y		49	247	K60-11	31Y			250
A 910R		K57- 8	31Y		49	247	K60-14	31Y			250
A 911	10		250	220	50 64 56 5			250	220	52 7A	

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 129 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (3)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(4)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(4)	TERMINATION SPEC (1) ITEM NO.	NO.
A 911A	2	SHLD A911	25N				E72-B	38N			235
A 911L		K57- 9	31Y		49	247	K61- 9	31Y		48	251
A 911R		K57-12	31Y		49	247	K61-12	31Y		48	251
A 912	10		250	220	50 64 56 5			250	220	52 7A	
A 912A	2	SHLD A912	25N				E72-B	38N			235
A 912L		K57-11	31Y		49	247	K59- 5	31Y			249
A 912R		K57-14	31Y		49	247	K59- 8	31Y			249
A 913	10		250	220	50 64 56.5			250	220	52 7A	
A 913A	2	SHLD A913	25N				E72-B	38N			235
A 913L		K58- 3	31Y		49	248	K62- 3	31Y		48	252
A 913R		K58- 6	31Y		49	248	K62- 6	31Y		48	252
A 914	10		250	220	50 64 56 5			250	220	52 7A	
A 914A	2	SHLD A914	25N				E72-B	38N			235
A 914L		K58- 8	31Y		49	248	K59-11	31Y			249
A 914R		K58- 5	31Y		49	248	K59-14	31Y			249
A 915	10		250	220	50 64 56 5			250	220	52 7A	
A 915A	2	SHLD A915	25N				E72-B	38N			235
A 915L		K58- 9	31Y		49	248	K62- 9	31Y		48	252

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 130 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (3)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	(5)	TERMINATION SPEC (1)	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	(5)	TERMINATION SPEC (1)	ITEM NO.	NO.
A 915R		K58-12	31Y		49			248	K62-12	31Y		48			252
A 916	10		250	220	50 64 56 5					250	220	52		7A	
A 916A	2	SHLD A916	25N						E72-8	38N					235
A 916L		K58-11	31Y		49			248	K59-17	31Y					249
A 916R		K58-14	31Y		49			248	K59-20	31Y					249
A 917	3	K59- 1	31Y					249	K60- 1	31Y					250
A 918	3	K59- 2	31Y					249	K60- 2	31Y		48			250
A 919	10		250	220	50 64 56 5					250	220	52		7A	
A 919A	2	SHLD A919	25N						E72-8	38N					235
A 919L		K59-11	31Y		48			249	TB11-18E	19N		42			37
A 919R		K59-14	31Y		48			249	TB11-17E	19N		42			37
A 920	10		250	220	50 64 56 5					250	220	52		7A	
A 920A	2	SHLD A920	25N						E72-8	38N					235
A 920L		K59-17	31Y		48			249	TB11-16E	19N		42			37
A 920R		K59-20	31Y		48			249	TB11-15E	19N		42			37
A 921	3	K60- 2	31Y					250	TB7-18D	19N		43			33
A 922	3	K61-15	31Y		49			251	K62- 1	31Y		49			252
A 923	3	K61- 2	31Y		48			251	K62- 2	31Y		49			252

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AR | SHEET 131 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (3)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	(5)	TERMINATION SPEC (1)	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	(5)	TERMINATION SPEC (1)	ITEM NO.	NO.
A 924	3	K61- 2	31Y					251	TB7-17B	19N		43			33
A 925	10		250	220	50 64 56 5					250	220	52		7A	
A 925A	2	SHLD A925	25N						E74-8	38N					237
A 925L		K61- 3	31Y					251	K65- 3	31Y					255
A 925R		K61- 6	31Y					251	K65- 6	31Y					255
A 926	10		250	220	50 64 56 5					250	220	52		7A	
A 926A	2	SHLD A926	25N						E74-8	38N					237
A 926L		K61- 5	31Y		49			251	K64-11	31Y					254
A 926R		K61- 8	31Y		49			251	K64-14	31Y					254
A 927	10		250	220	50 64 56 5					250	220	52		7A	
A 927A	2	SHLD A927	25N						E74-8	38N					237
A 927L		K61- 9	31Y					251	K65- 9	31Y					255
A 927R		K61-12	31Y					251	K65-12	31Y					255
A 928	10		250	220	50 64 56 5					250	220	52		7A	
A 928A	2	SHLD A928	25N						E74-8	38N					237
A 928L		K61-11	31Y		49			251	K63- 5	31Y					253
A 928R		K61-14	31Y		49			251	K63- 8	31Y					253
A 929	10		250	220	50 64 56 5					250	220	52		7A	

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 132 OF 150

GNW WIRING HARNESS A AP 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (3)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	(5)	TERMINATION SPEC (1)	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	(5)	TERMINATION SPEC (1)	ITEM NO.	NO.
A 929A	2	SHLD A929	25N						E74-8	38N					237
A 929L		K62- 3	31Y					252	K66- 3	31Y					256
A 929R		K62- 6	31Y					252	K66- 6	31Y					256
A 930	10		250	220	50 64 56 5					250	220	52		7A	
A 930A	2	SHLD A930	25N						E74-8	38N					237
A 930L		K62- 8	31Y		49			252	K63-11	31Y		48			253
A 930R		K62- 5	31Y		49			252	K63-14	31Y		48			253
A 931	10		250	220	50 64 56 5					250	220	52		7A	
A 931A	2	SHLD A931	25N						E74-8	38N					237
A 931L		K62- 9	31Y					252	K66- 9	31Y					256
A 931R		K62-12	31Y					252	K66-12	31Y					256
A 932	10		250	220	50 64 56 5					250	220	52		7A	
A 932A	2	SHLD A932	25N						E74-8	38N					237
A 932L		K62-11	31Y		49			252	K63-17	31Y		48			253
A 932R		K62-14	31Y		49			252	K63-20	31Y		48			253
A 933	3	K63- 1	31Y		48			253	K64- 1	31Y					254
A 934	3	K63- 2	31Y		48			253	K64- 2	31Y					254
A 935	3	K63- 2	31Y					253	TB7-17C	19N		43			33

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 133 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (3)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	(5)	TERMINATION SPEC (1)	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	(5)	TERMINATION SPEC (1)	ITEM NO.	NO.
A 936	10		250	220	50 64 56 5					250	220	52		7A	
A 936A	2	SHLD A936	25N						E74-8	38N					237
A 936L		K63-11	31Y					253	TB11-10D	19N		42			37
A 936R		K63-14	31Y					253	TB11- 9D	19N		42			37
A 937	10		250	220	50 64 56 5					250	220	52		7A	
A 937A	2	SHLD A937	25N						E74-8	38N					237
A 937L		K63-17	31Y					253	TB11-12D	19N		42			37
A 937R		K63-20	31Y					253	TB11-11D	19N		42			37
A 938	3	K65-15	31Y		49			255	K66- 1	31Y		49			256
A 939	3	K65- 2	31Y		48			255	K66- 2	31Y		49			256
A 940	3	K65- 2	31Y					255	TB7-17E	19N		43			33
A 941	10		250	220	50 64 56 5					250	220	52		7A	
A 941A	2	SHLD A941	25N						E76-8	38N					240
A 941L		K65- 5	31Y		49			255	K68-14	31Y					258
A 941R		K65- 8	31Y		49			255	K68-11	31Y					258
A 942	10		250	220	50 64 56 5					250	220	52		7A	
A 942A	2	SHLD A942	25N						E76-8	38N					240
A 942L		K65-11	31Y		49			255	K67- 5	31Y					257

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 134 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH (1)	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	(2)	ITEM NO	TERMINATION SPEC (1)	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	(2)	ITEM NO	TERMINATION SPEC (1)	NO.
A 942R			K65-14	31Y		49		255	K67- 8	31Y				257
A 943	10			250	220	50 64 56 5				250	220	52	7A	
A 943A	2		SHLD A943	22N					E76-B	38N				240
A 943L			K66- 5	31Y		49		256	K67-11	31Y				257
A 943R			K66- 8	31Y		49		256	K67-14	31Y				257
A 944	10			250	220	50 64 56 5				250	220	52	7A	
A 944A	2		SHLD A944	25N					E76-B	38N				240
A 944L			K66-11	31Y		49		256	K67-17	31Y				257
A 944R			K66-14	31Y		49		256	K67-20	31Y				257
A 945	3		K67- 1	31Y				257	K68- 1	31Y				258
A 946	3		K67- 2	31Y		48		257	K68- 2	31Y				258
A 947	3		K67- 2	31Y				257	TB7-16C	19N		43		33
A 948	1		K67-10	31Y				257	TB11- 8D	19N		42		37
A 949	1		K67-16	31Y				257	TB11-14D	19N		42		37
A 950	3		P1-A	22N				118	K7- 7	31Y		49		46
A 951	3		P1-B	31Y		90		118	TB7-16B	19N		43		33
A 952	1		P1-C	31Y		90		118	K25- 8	31Y		49		205
A 953	1		P1-D	22N				118	TB1-22	25Y				103

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 135 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH (1)	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	(2)	ITEM NO.	TERMINATION SPEC (1)	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	(2)	ITEM NO.	TERMINATION SPEC (1)	NO.
A 954	1		P1-U	22N		88 89		118	K25- 4	31Y				205
A 955	1		P1-U	22N				118	P4-F	22N				117
A 956	1		P1-V	31Y		90		118	K25- 1	31Y		49		205
A 957	1		P1-W	22N		88 89		118	K25- 7	31Y		49		205
A 958	1		P1-X	31Y		90		118	TB7-12B	19N		42		33
A 959	1		P1-W	22N				118	TB1-24	25Y				102
A 960	1		P2-D*	31Y		90		119	K7- 1	31Y		49		46
A 961	1		P4-X	22N				117	P6-D*	22N		88 89		114
A 962	1		P4-D*	31Y		90		117	K8- 2	31Y		47		39
A 963	1		P6-N	22N				114	K8-13	31Y		47		39
A 964	1		P6-D*	22N				114	P8-D*	22N		88 89		115
A 965	1		P8-C*	22N				115	P9-A	22N				116
A 966	1		P8-D*	31Y				115	P10-D*	22N		88 89		112
A 967	1		P10-D*	22N				112	K8- 4	31Y				39
A 969	3		TB1- 1	25Y				111	TB6- 7B	19N		43		38
A 970	3		TB6- 7A	19N		39		38	TB7-15B	19N		43		33
A 971	3		TB7-15C	19N		43		33	TB12- 1	25Y				182
A 972	6		TB8-16	31N		41		34	TR14-16	31N		41		265

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 136 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH (1)	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	(2)	ITEM NO.	TERMINATION SPEC (1)	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	(2)	ITEM NO.	TERMINATION SPEC (1)	NO.
A 973	6		TB8- 2	31N		41		34	TR16-16	31N		41		262
A 974	5		TB8-12	19N		40		34	TB10- 2	19N		40		36
A 975	6		TB8-14	31N		41		34	TB9- 2	31N		41		35
A 976	6		U30-G	41Y		46		314	TB15-16	31N		41		264
A 977	4		XF1- 2	31Y				147	TR5- 7	19N		40		59
A 978	6		XF2- 2	31Y				146	TR5- 8	31		41		57
A 979	4		XF3- 2	31Y				138	TB5- 9	19N		40		55
A 980	4		XF4- 2	31Y				137	TB5-10	19N		40		53
A 981	3		E20-BB	38N				22	E80-B	38N				24
A 982	3		E21-BB	38N				3	E79-B	38N				23
A 983	3		E22-BB	38N				2	E79-B	38N				23
A 984	3		E23-BB	38N				4	E79-B	38N				23
A 985	3		E24-BB	38N				6	E79-B	38N				23
A 986	3		E25-BB	38N				7	E79-B	38N				23
A 987	3		E26-BB	38N				9	E31-B	38N				11
A 988	3		E27-BB	38N				10	E31-B	38N				11
A 989	3		E28-BB	38N				14	E31-B	38N				11
A 990	3		E29-BB	38N				15	E31-B	38N				11

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 137 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH (1)	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	(2)	ITEM NO.	TERMINATION SPEC (1)	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	(2)	ITEM NO.	TERMINATION SPEC (1)	NO.
A 991	3		E30-BB	38N				13	E31-B	38N				11
A 992	4		E31-BB	38N				11	TR15- 6	31N		40		264
A 993	3		E32-BB	38N				27	E80-B	38N				24
A 994	3		E33-BB	38N				28	E80-B	38N				24
A 995	3		E34-BB	38N				31	E80-B	38N				24
A 996	3		E35-BB	38N				30	E80-B	38N				24
A 997	3		E36-BB	38N				155	E39-B	38N				151
A 998	3		E37-BB	38N				156	E39-B	38N				151
A 999	3		E38-BB	38N				157	E39-B	38N				151
A1000	4		E39-BB	38N				151	TR15- 8	19N		40		264
A1001	4		E40-BB	38N				169	TB15- 9	19N		40		264
A1002	3		E41-BB	38N				170	E40-B	38N				169
A1003	3		E42-BB	38N				171	E40-B	38N				169
A1004	3		E89-B	38N				162	E40-B	38N				169
A1005	3		E90-BB	38N				163	E40-B	38N				169
A1006	3		E45-BB	38N				161A	E49-B	38N				164
A1007	3		E46-BB	38N				160	E49-B	38N				164
A1008	3		E47-BB	38N				161	E49-B	38N				164

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 138 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (1)	B	TERMINATION SPEC (1)	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (1)	B	TERMINATION SPEC (1)	ITEM NO.	NO.
A1009	3	E48-BB	38N				167	E49-B	38N				164
A1010	3	E49-BB	38N				164	TB15-10	19N	39			264
A1011	3	E50-BB	38N				312	E81-B	38N				310
A1012	3	E51-BB	38N				313	E81-B	38N				310
A1013	3	E52-BB	38N				308	E81-B	38N				310
A1014	3	E53-BB	38N				309	E81-B	38N				310
A1015	3	E54-BB	38N				305	E81-B	38N				310
A1016	3	E55-BB	38N				306	E82-B	38N				272
A1017	3	E56-BB	38N				302	E88-B	38N				270
A1018	3	E57-BB	38N				299	E64-B	38N				277
A1019	3	E58-BB	38N				297	E64-R	38N				277
A1020	3	E59-BB	38N				296	E82-B	38N				272
A1021	3	E60-BB	38N				294	E82-B	38N				272
A1022	3	E62-BB	38N				292	E88-B	38N				270
A1023	3	E63-BB	38N				278	E64-B	38N				277
A1024	4	E64-BB	38N				277	TR15-11	19N	40			264
A1025	3	E65-BB	38N				276	E88-B	38N				270
A1026	3	E66-BB	38N				273	E88-B	38N				270

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 139 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (1)	B	TERMINATION SPEC (1)	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (1)	B	TERMINATION SPEC (1)	ITEM NO.	NO.
A1027	3	E67-BB	38N				269	E88-B	38N				270
A1028	3	E68-BB	38N				179	E77-B	38N				259
A1029	3	E69-BB	38N				181	E77-B	38N				259
A1030	3	E70-BB	38N				233	E77-R	38N				259
A1031	3	E71-BB	38N				234	E78-B	38N				239
A1032	3	E72-BB	38N				235	E78-B	38N				239
A1033	3	E73-BB	38N				236	E78-B	38N				239
A1034	3	E74-BB	38N				237	E78-B	38N				239
A1035	3	E75-BB	38N				238	E78-B	38N				239
A1036	3	E76-BB	38N				240	E77-R	38N				259
A1037	4	E77-BB	38N				259	TR15- 7	19N	40			264
A1038	4	E78-BB	38N				239	TB15- 5	19N	40			264
A1039	4	E79-BB	38N				23	TB15- 2	19N	40			264
A1040	4	E80-BB	38N				24	TB15- 4	19N	40			264
A1041	4	E81-BB	38N				310	TR15-12	19N	40			264
A1042	4	E82-BB	38N				272	TB15-13	19N	40			264
A1043	4	E83-BB	38N				260	TB9-12	19N	40			95
A1044	4	E84-BB	38N				150	TB9-14	19N	40			95

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 140 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (1)	B	TERMINATION SPEC (1)	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (1)	B	TERMINATION SPEC (1)	ITEM NO.	NO.
A1045	4	E85-BB	38N				18	TB8- 9	19N	40			34
A1046	4	E86-BB	38N				19	TR8-11	19N	40			34
A1047	4	E87-BB	38N				263	TB16- 6	19N	40			262
A1048	4	K6-10	31Y	47			59	E15	25Y				42
A1049	4	E88-BB	38N				270	TR15-14	19N	40			264
A1051	3	E43-BB	38N				152	E39-B	38N				151
A1052	3	E44-BB	38N				153	E39-B	38N				151
A1053	3	K47- 1	31Y				226	K63- 1	31Y				253
A1054	9		280	250 52 63 55 5					280	250 53		7A	
A1054A	2	SHLD A1054	25N					E65-B	38N				276
A1054W		J43-E	22N				275	TR6- 3D	19N	43			38
A1055	10		280	250 50 64 56 5					280	250 52		7A	
A1055A	2	SHLD A1055	25N					E33-B	38N				28
A1055L		J10-F*	22N				29	J34-D	22N				301
A1055R		J10-E*	22N				29	J34-C	22N				301
A1056	7		280	250 52 63 54 5					280	250 53		7A	
A1056A	2	SHLD A1056	25N					E33-B	38N				28
A1056W		J10-G*	22N				29	XF17- 2	31Y				130

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 141 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (1)	B	TERMINATION SPEC (1)	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (1)	B	TERMINATION SPEC (1)	ITEM NO.	NO.
A1057	7		280	250 52 63 54 5					250	220 53		7A	
A1057A	2	SHLD A1057	25N					E33-B	38N				28
A1057W		J10-H*	22N				29	XF18- 2	31Y				129
A1060	3	E61-BB	38N				271	E82-B	38N				272
A1061	3	J31-D*	22N				311	TR13-16D	19N	43			266
A1062	3	E91-BB	38N				21	E79-B	38N				29
A1063	1	P10-T	22N				112	P11-A	22N				113
A1064	1	P10-U	22N				112	P11-B	22N				113
A1065	1	P10-V	22N				112	P11-C	22N				113
A1066	1	P10-W	22N				112	P11-D	22N				113
A1067	1	P10-X	22N				112	P11-E	22N				113
A1068	1	P10-Y	22N				112	P11-F	22N				113
A1069	1	P10-Z	22N				112	P11-G	22N				113
A1070	1	P10-A*	22N				112	P11-H	22N				113
A1071	1	P10-B*	22N				112	P11-J	22N				113
A1072	1	P10-C*	22N				112	P11-K	22N				113
A1073	4	E92-BB	38N				148	TB16-11	19N	40			262
A1074	3	E93-BB	38N				172	E40-B	38N				169

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 142 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC.	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC.	ITEM NO.	NO.
A1075	3	E94-BB	38N		303	E88-B	38N		270
A1076	4	J30-K	41Y	46	314	TB15- 3	19N	40	264
A1077	3	J34-H	22N		301	E84-B	38N		150
A1078	3	J9-C	22N		26	J26-C	22N		159
A1083	3	J7-C	22N		20	XF19- 1	31Y		136
A1084	3	J7-D	22N		20	TB7-15E	19N	43	33
A1085	3	TB7- 8D	19N	43	33	K54-16	31Y	48	241
A1086	3	TB7- 8E	19N	43	33	K42-19	31Y	48	221
A1087	3	K42-19	31Y		221	K44-19	31Y	48	223
A1088	3	K44-19	31Y		223	K46-19	31Y	48	225
A1089	3	K46-19	31Y		225	K48-19	31Y	48	227
A1090	3	K48-19	31Y		227	K50-19	31Y	48	229
A1091	3	K50-19	31Y		229	K52-19	31Y	49	231
A1092	3	K54-16	31Y		241	K57-16	31Y	48	247
A1093	3	K57-16	31Y		247	K61-16	31Y	48	251
A1094	3	K61-16	31Y		251	K65-16	31Y	48	255
A1095	3	K65-16	31Y		255	K33-12	31Y	48	212
A1096	3	K33-12	31Y		212	K31-12	31Y	49	210

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 143 OF 150

MIL 2065 4-63 WIN

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC.	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC.	ITEM NO.	NO.
A1097	3	TB7-12F	19N	43	33	K2-12	19N	45	44
A1098	3	TB7-11E	19N	43	33	XF19- 2	31Y		136
A1099	3	TB7- 8C	19N	43	33	XF19- 2	31Y		136
A1100	3	K34- 4	31Y		213	K37- 1	31Y		216
A1101	3	K34-11	31Y		213	K36-11	31Y		215
A1102	1	K31- 2	31Y		210	TR12-16	25Y		190
A1103	1	K31-11	31Y		210	TB12-15	25Y		191
A1104	6	J46-X	28Y	46	267	TB9- 4	31N	41	35
A1105	3	TB6- 6C	19N	43	38	TB8- 6	19N	39	34
A1106	6	J40-X	41Y	46	290	TR15-13	31N	41	264
A1107	10		230	200 50 64 56 5			250	220 52	7A
A1107A	2	SHLD A1107	25N			E48-R	38N		167
A1107L		J27-C	22N		168	K21- 3	31Y		180
A1107R		J27-A	22N		168	K21- 5	31Y		180
A1108	10		230	200 50 64 56 5			250	220 52	7A
A1108A	2	SHLD A1108	25N			E48-B	38N		167
A1108L		J25-C	22N		154	K21- 2	31Y		180
A1108R		J25-A	22N		154	K21- 6	31Y		180

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 144 OF 150

MIL 2065 4-63 WIN

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC.	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC.	ITEM NO.	NO.
A1109	12		250	220 90 67 59 5			250	220 51	7A
A1109A	2	SHLD A1109	25N			E44-B	38N		153
A1109L		J25-J*	22N		154	K37-13	31Y	49	216
A1109R		J25-I*	22N		154	K37-16	31Y	49	216
A1110	12		250	220 90 67 59 5			250	220 51	7A
A1110A	2	SHLD A1110	25N			E24-B	38N		6
A1110L		J3-L	22N		8	K37-14	31Y	49	216
A1110R		J3-K	22N		8	K37-17	31Y	49	216
A1111	3	J25-Q*	22N		154	TB12-19	25Y		191C
A1112	3	J42-E*	22N		275	TR12-17	25Y		191A
A1113	3	J43-F	22N		275	K3-10	31Y	47	50
A1114	3	K3- 8	31Y	47	50	K4- 9	31Y	47	49
A1115	3	K4-10	31Y	47	49	TB14-14	19N	39	265

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 145 OF 150

MIL 2065 4-63 WIN

MULTIPLE CONNECTED ITEMS

TERM NO.	REF DESIG	ITEM NO.
1	J1	71
2	E22	36, 38
3	E21	36, 38
4	E23	36, 38
5	J2	18
6	E24	35, 37
7	E25	35, 37
8	J3	19
9	E26	38
10	E27	36, 38
11	E31	36, 38
12	J4	20
13	E30	36, 38
14	E28	36, 38
15	E29	36, 38
16	J5	21
17	J6	22
18	E85	35, 37
19	E86	35, 37
20	J7	23
21	E91	35, 37
22	E20	36, 38

MULTIPLE CONNECTED ITEMS

TERM NO.	REF DESIG	ITEM NO.
23	E79	36, 38
24	E80	36, 38
25	J8	24
26	J9	25
27	E32	36, 38
28	E33	36, 38
29	J10	26
30	E35	35, 37
31	E34	36, 38
32	J11	27
112	P10	78
113	P11	79
114	P6	76
115	P8	80
116	P9	77
117	P4	75
118	P1	73
119	P2	74
148	E92	35, 37
149	J21	28
150	E84	35, 37
151	E39	35, 37

CODE IDENT NO. 99974 | SIZE A | 1900712
SCALE NONE | REV LTR AB | SHEET 146 OF 150

MIL 2065 5-62

MULTIPLE CONNECTED ITEMS		
TERM NO.	REF DESIG	ITEM NO.
152	E43	35, 37
153	E44	35, 37
154	J25	30
155	E36	35, 37
156	E37	36, 38
157	E38	35, 37
158	J22	25
159	J26	19
160	E46	35, 37
161	E47	35, 37
161A	E45	35, 37
162	E89	36, 38
163	E90	36, 38
164	E49	35, 37
165	J23	29
167	E48	36, 38
168	J27	26
169	E40	35, 37
170	E41	36, 38
171	E42	36, 38
172	E93	36, 38
173	J24	20

MULTIPLE CONNECTED ITEMS		
TERM NO.	REF DESIG	ITEM NO.
179	E68	35, 37
181	E69	36, 38
233	E70	36, 38
234	E71	36, 38
235	E72	36, 38
236	E73	36, 38
237	E74	36, 38
238	E75	36, 38
239	E78	36, 38
240	E76	36, 38
259	E77	35, 37
260	E83	36, 38
263	E87	35, 37
267	J46	34
268	J45	71
269	E67	35, 37
270	E88	36, 38
271	E61	35, 37
272	E82	35, 37
273	E66	36, 38
274	J44	32
275	J43	85

CODE IDENT NO.	SIZE	
99974	A	1900712
SCALE NONE	REV LTR AB	SHEET 147 OF 150

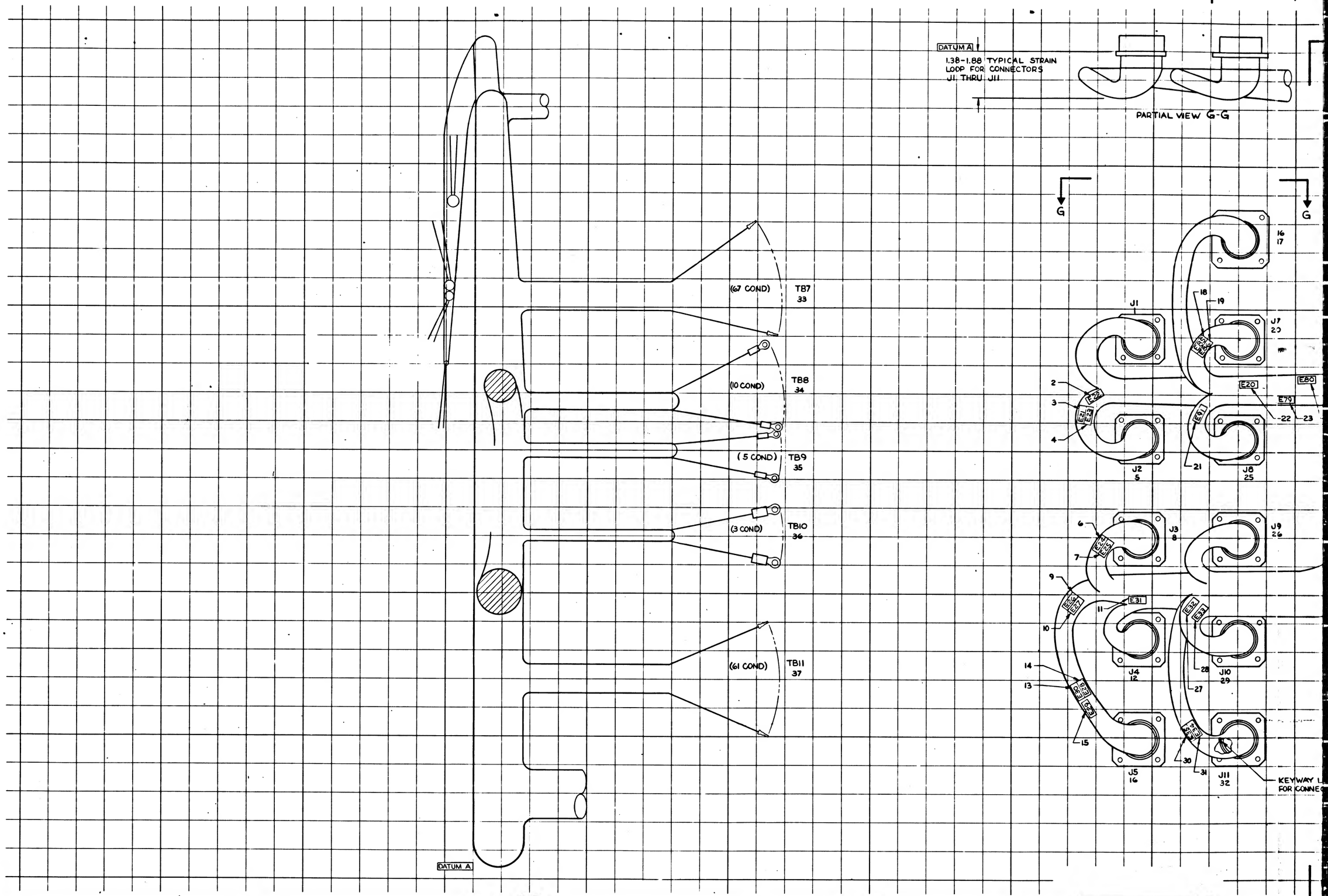
MIL 2065 5-62

MULTIPLE CONNECTED ITEMS		
TERM NO.	REF DESIG	ITEM NO.
276	E65	36, 38
277	E64	35, 37
278	E63	36, 38
279	J42	30
280	J41	20
290	J40	33
291	J39	29
292	E62	36, 38
293	J38	26
294	E60	36, 38
295	J37	21
296	E59	35, 37
297	E58	36, 38
298	J36	26
299	E57	36, 38
300	J35	25
301	J34	24
302	E56	36, 38
303	E94	36, 38
304	J33	20
305	E54	36, 38
306	E55	36, 38

MULTIPLE CONNECTED ITEMS		
TERM NO.	REF DESIG	ITEM NO.
307	J32	19
308	E52	36, 38
309	E53	35, 37
310	E81	36, 38
311	J31	27
312	E50	36, 38
313	E51	35, 37
314	J30	31

CODE IDENT NO.	SIZE	
99974	A	1900712
SCALE NONE	REV LTR AB	SHEET 148 OF 150

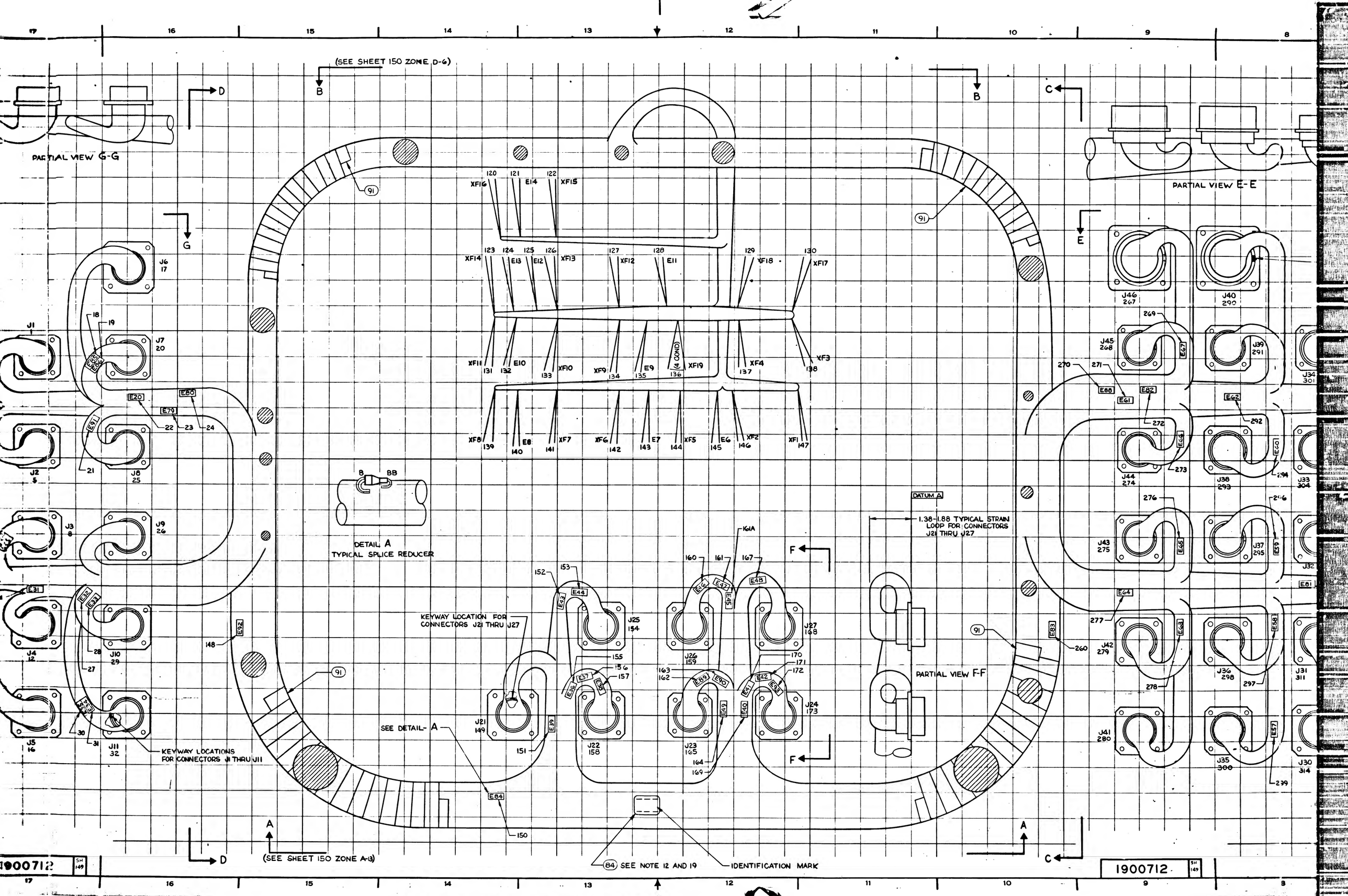
MIL 2065 5-62

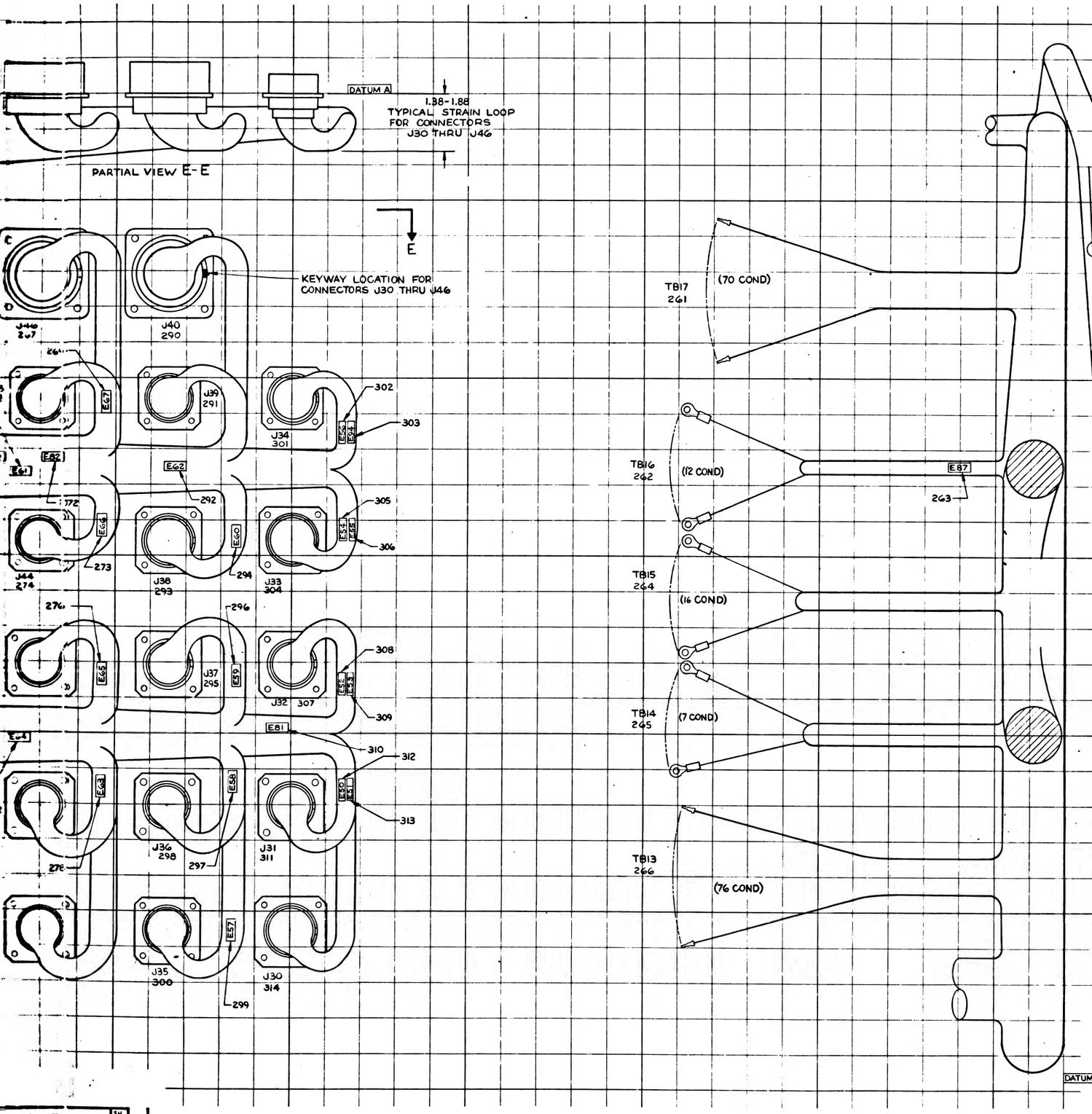


SECTION D-D

1900712 SH 149

1/1900712


(SEE SHEET 150 ZONE D-6)
PARTIAL VIEW G-G
PARTIAL VIEW E-E
DETAIL A
TYPICAL SPLICE REDUCER
KEYWAY LOCATION FOR CONNECTORS J21 THRU J27
KEYWAY LOCATIONS FOR CONNECTORS J1 THRU J11
SEE DETAIL- A
DATUM A
1.38-1.88 TYPICAL STRAIN LOOP FOR CONNECTORS J21 THRU J27
PARTIAL VIEW F-F
(4 COND)
(SEE SHEET 150 ZONE A-3)
(84) SEE NOTE 12 AND 19
IDENTIFICATION MARK
1900712
SH 149



SECTION C-C

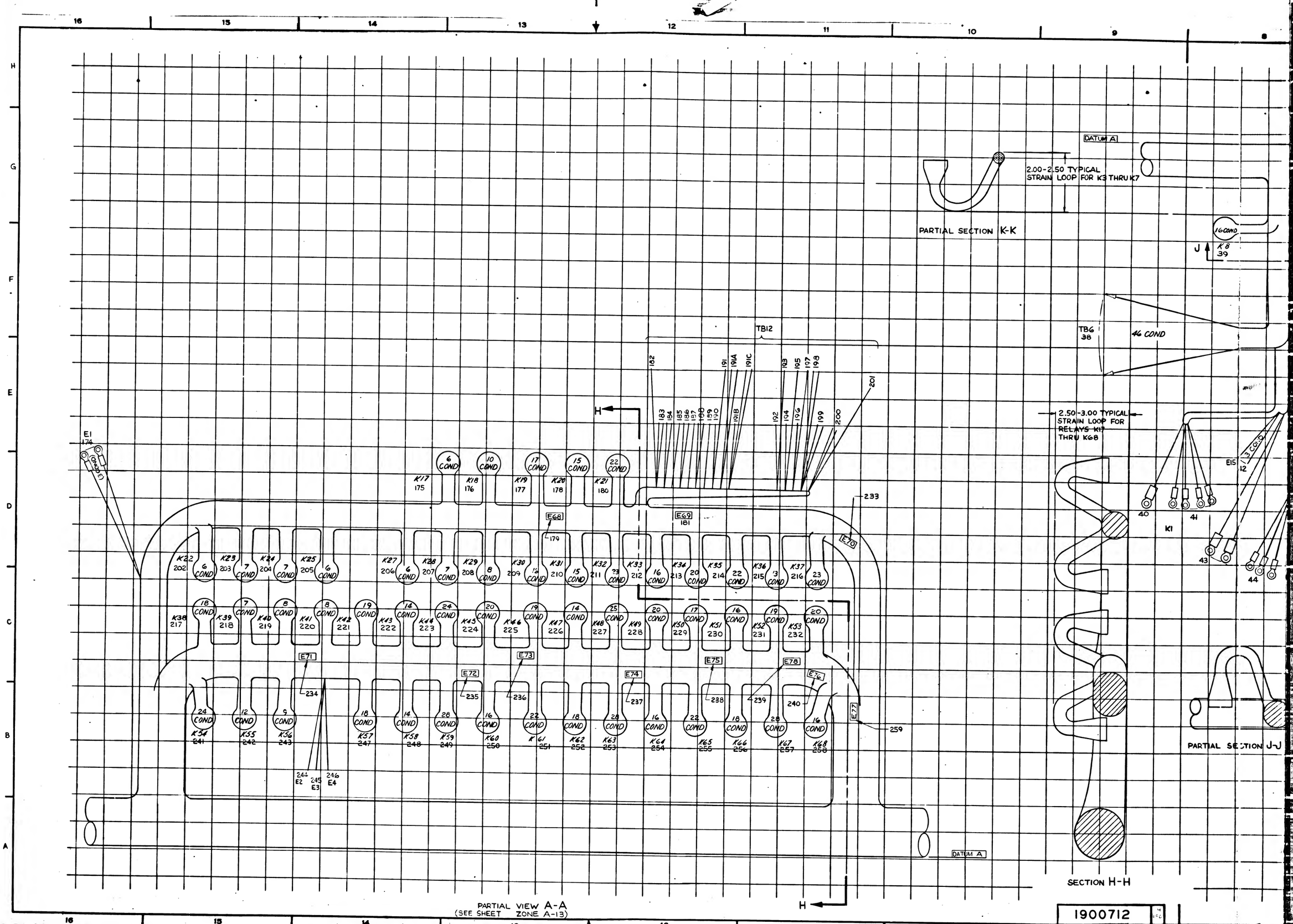
REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS ± — DECIMALS ± — ANGLES ± —	AC SPARK PLUG DIVISION GMC MILWAUKEE, WISCONSIN	MANNED SPACECRAFT CENTER HOUSTON TEXAS
	ACSP PN	WIRING HARNESS "A"
	DRAWN E. TUSSAC 18 MAR 64 DATE	
	CHECKED	
	APPROVAL	
DO NOT SCALE THIS DRAWING	APPROVAL	
MATERIAL	NASA APPROVAL	CODE IDENT NO / SIZE / 1900712
CONTRACT NAS9-497	MIT APPROVAL	SCALE FULL / SHEET 1

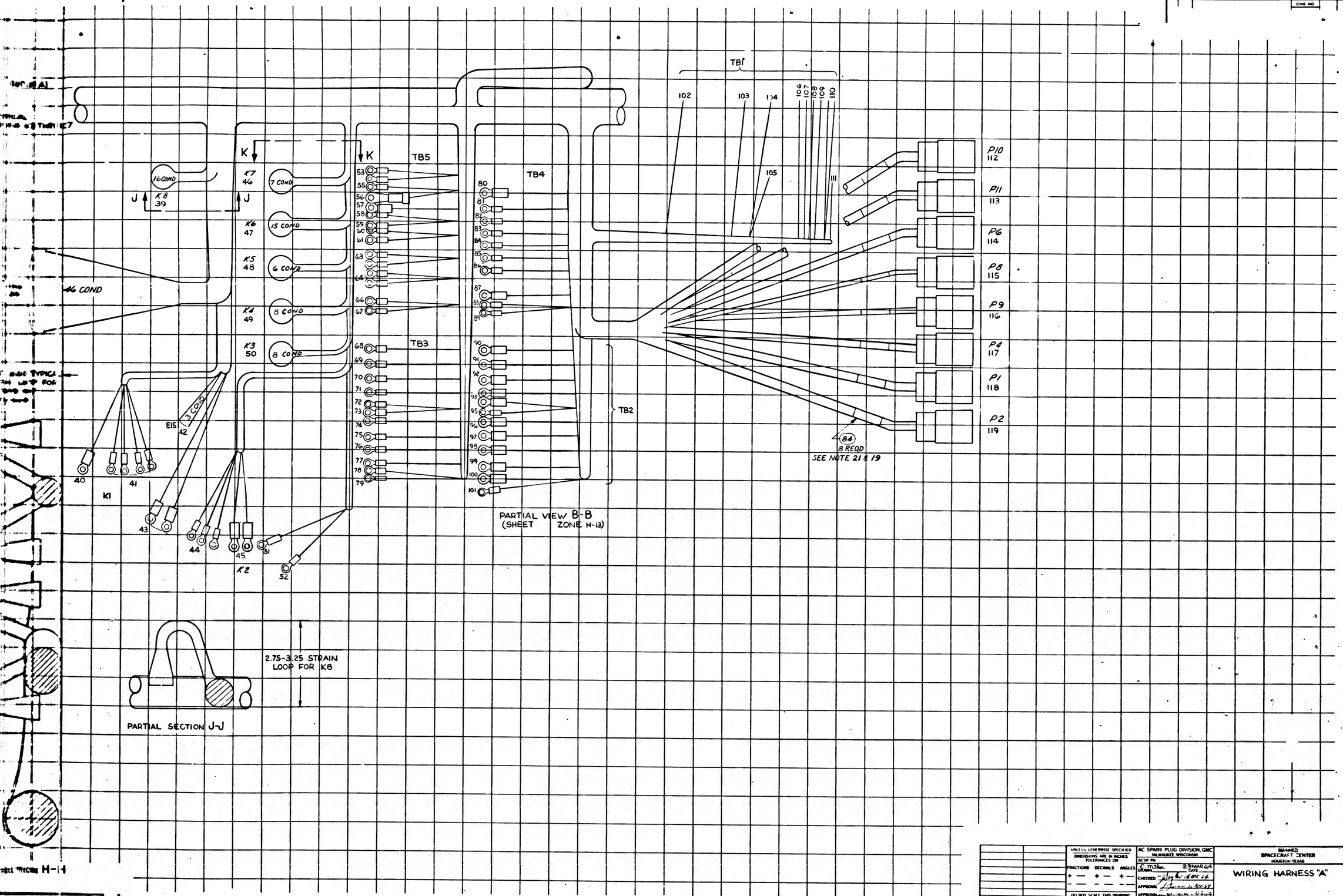
1900712 SH 149

1900712

3/1900712


DATUM A
2.00-2.50 TYPICAL STRAIN LOOP FOR K3 THRU K7
PARTIAL SECTION K-K
16 COND
K8 39
J
TB6 38
46 COND
TB12
2.50-3.00 TYPICAL STRAIN LOOP FOR RELAYS K17 THRU K68
E15
13 COND
12
40
41
43
44
K1
E1 174
13 COND
6 COND
10 COND
17 COND
15 COND
22 COND
K17 175
K18 176
K19 177
K20 178
K21 180
E68
179
E69 181
E70
233
K22 202
K23 203
K24 204
K25 205
K27 206
K28 207
K29 208
K30 209
K31 210
K32 211
K33 212
K34 213
K35 214
K36 215
K37 216
K38 217
K39 218
K40 219
K41 220
K42 221
K43 222
K44 223
K45 224
K46 225
K47 226
K48 227
K49 228
K50 229
K51 230
K52 231
K53 232
E71
234
E72
235
E73
236
E74
237
E75
238
E78
239
E76
240
E77
259
K54 241
K55 242
K56 243
K57 247
K58 248
K59 249
K60 250
K61 251
K62 252
K63 253
K64 254
K65 255
K66 256
K67 257
K68 258
244 E2
245 E3
246 E4
PARTIAL VIEW A-A
(SEE SHEET ZONE A-13)
PARTIAL SECTION J-J
SECTION H-H
1900712

17/19 00 7 1 2



REVISIONS

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
+ —	+ —	+ —
— —	— —	— —

DO NOT SCALE THIS DRAWING

MATERIAL ——

CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN C. TTJ 23 MAR 64 DATE

CHECKED 16 APR 64

APPROVAL 11 NOV 64

APPROVAL

NASA APPROVAL

MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON TEXAS

WIRING HARNESS "A"

CODE IDENT NO. | SIZE E | 1900712

SCALE FULL | SHEET

1900712

27 1900712

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROV
1900433-011	1900433-011	H	REPLACES REV G WITH CHANGE PER CM-192749 REVISED PERTDR.	22 JAN 64	
		J	CHANGE IN ACCORDANCE WITH CM 192932	24 JAN 64	JJJ DLF
		K	CHANGE IN ACCORDANCE WITH CM 193260 TDR 10174	27-64	JJJ DLF
		L	CHANGE IN ACCORDANCE WITH CM 193478	28 JAN 64	JJJ DLF
		M	CHANGE IN ACCORDANCE WITH CM 193850	31 JAN 64	JJJ DLF
		N	CHANGE IN ACCORDANCE WITH CM 194572 REVISED PER TDR 10175	7 FEB 64	JJJ DLF
		P	CHANGE IN ACCORDANCE WITH CM 195030	6 MAR 64	KAR
		R	CHANGE IN ACCORDANCE WITH CM 195502	10 MAR 64	

FOR INFORMATION ONLY

CLASS B RELEASE TDR No. 02937 DATE 9-7-63

(H) REPLACES REV G WITH CHANGE

REV	AB AB AB AB AB AB AB AB AB AB AB AB AB AC AC AC AC AB AB AB AB AB AB AB AB AB AB AB AB
SHEET	19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44
REV STATUS OF SHEETS	REV AC AC AC AB AB AB AC AB AC AB AB AB AB AB AB AB AB AB AB AB AB
SHEET	1 1A 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
ACSP PN.	
DRAWN GESCHKE DATE 23 OCT 63	WIRING HARNESS A JUNCTION BOX - GSE
CHECKED C. PIOJDA 7 NOV 63	
APPROVAL J. ZIINO 8 NOV 63	
APPROVAL	
NASA APPROVAL	CODE IDENT NO. / SIZE A / 1900712 / REV AC
MIT APPROVAL	
CONTRACT NAS 9-497	SCALE — / SHEET 1 OF 50

REVISIONS

SYM	DESCRIPTION	DATE	APPROVAL
S	CHANGE IN ACCORDANCE WITH CM 200708 TDRR 10176	16 MAR 64	Eng [illegible]
T	CHANGE IN ACCORDANCE WITH CM 195875 TDRR 10172	20 MAR 64	Eng [illegible]
U	CHANGE IN ACCORDANCE WITH CM 200740	28 APR 64	[illegible]
V	CHANGE IN ACCORDANCE WITH CM 196007	4 MAY 64	RJW [illegible]
W	CHANGE IN ACCORDANCE WITH CM 196112	13 MAY 64	[illegible]
Y	CHANGE IN ACCORDANCE WITH CM 196165 TDRR 10198	22 MAY 64	[illegible]
Z	CHANGE IN ACCORDANCE WITH CM 197018 11256	18 JUN 64	GG / FK
AA	CHANGE IN ACCORDANCE WITH CM 197396 11178	19 JUN 64	JJJ / CP
AB	CHANGE IN ACCORDANCE WITH CM 197463 11179	19 JUN 64	JW / CP
AC	CHANGE IN ACCORDANCE WITH CM 197464 11197	19 JUN 64	JW / CP

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	REVISION AC	NASA DRAWING NO. 1900712 SHEET 1A OF 150

REVISION STATUS OF SHEETS

SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV
45	AB	81	AC	117	AB										
46	AB	82	AB	118	AB										
47	AB	83	AB	119	AB										
48	AB	84	AB	120	AB										
49	AB	85	AB	121	AB										
50	AB	86	AB	122	AB										
51	AB	87	AB	123	AB										
52	AB	88	AB	124	AB										
53	AB	89	AB	125	AB										
54	AB	90	AB	126	AB										
55	AB	91	AB	127	AB										
56	AC	92	AC	128	AB										
57	AB	93	AB	129	AB										
58	AC	94	AC	130	AB										
59	AB	95	AB	131	AB										
60	AB	96	AB	132	AB										
61	AB	97	AB	133	AB										
62	AB	98	AC	134	AB										
63	AB	99	AC	135	AB										
64	AB	100	AB	136	AB										
65	AB	101	AB	137	AB										
66	AB	102	AC	138	AB										
67	AB	103	AB	139	AB										
68	AB	104	AB	140	AC										
69	AB	105	AB	141	AC										
70	AB	106	AB	142	AB										
71	AB	107	AB	143	AC										
72	AB	108	AB	144	AC										
73	AC	109	AB	145	AB										
74	AB	110	AB	146	AC										
75	AB	111	AB	147	AC										
76	AB	112	AB	148	AB										
77	AC	113	AB	149	AC										
78	AB	114	AB	150	AB										
79	AB	115	AC												
80	AB	116	AB												

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	REVISION AC	NASA DRAWING NO. 1900712 SHEET 2 OF 150

PENNANT NOTE — GENERAL NOTES

1 SEE CONDUCTOR CHART, PENNANT NOTE 1.

2 SEE CONDUCTOR CHART, PENNANT NOTE 2.

3 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

4 MARK CONDUCTOR IDENTIFICATION PER ND1002019.

5 MARK CONDUCTOR IDENTIFICATION ON SINGLE CONDUCTORS PER ND1002019 OMITTING ALL SUFFIX LETTERS EXCEPT A AND B.

6 SPACING OF CONDUCTOR IDENTIFICATION SHALL BE EVERY 1.2 INCHES.

7 SPIRALLING OF THE MARKING IS ALLOWED.

8 MARK SLEEVING WITH REFERENCE DESIGNATION AS SHOWN .12 INCH HIGH, COLOR BLACK PER ND1002019.

9 MARK SLEEVING ON SHIELD TERMINATIONS OF MULTI-CONDUCTORS WITH THE CONDUCTOR NUMBER .12 INCH HIGH, COLOR BLACK, PER ND1002019.

10 DELETED

11 LACE HARNESS USING ITEM 81

12 IDENTIFY USING DRAWING NO. AND REVISION LETTER .12 INCHES HIGH CHARACTERS, BLACK, PER ND1002019

13 SOLDERPER MIL-STD-448 USING ITEMS 82 AND 83.

14 Y OR N, IN THREE COLUMN INDICATES YES OR NO.

15 A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.

16 VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.

PENNANT NOTE — GENERAL NOTES

17 GRID MODULE IS 1 INCH.

18 UNLESS OTHERWISE SPECIFIED —
FEATURE CENTERLINES ARE LOCATED WITHIN + OR - .25 INCH.
END OF HOOKUP WIRES OR ACCESSORIES ARE LOCATED WITHIN + OR - .12 INCH.

19 FASTEN MARKER SECURELY WITH ITEM 81. WRAP MARKER TO CONFORM TO CABLE CONFIGURATION.

20 THE SUFFIX LETTER OF A CONDUCTOR IDENTIFICATION NUMBER INDICATES CONDUCTOR SHIELDING, COLOR, OR MARKING.
A - FROM END SHIELD
B - TO END SHIELD
L - WHITE WITH BLUE TRACER
R - WHITE WITH RED TRACER
Y - WHITE WITH YELLOW TRACER

23 IDENTIFY BY CONNECTOR NUMBER, P1, P2, P4, P6, P8, P9, P10, AND P11 AS REQUIRED, .12 INCHES HIGH, CHARACTERS BLACK

PENNANT NOTE

GENERAL NOTES

TOLERANCE CHART, UNLESS OTHERWISE SPECIFIED ---

APPLICABLE LENGTH FOR WIRE OR CABLE, STRIP WIRE, STRIP JACKET, CUT WIRE OR CUT SHIELD.	TOLERANCE			
	STRIP WIRE	STRIP JACKET	CUT WIRE	CUT SHIELD
UNDER 1 INCH	+.03-.00	+.06-.06	+.06-.06	+.06-.06
1 INCH TO 6 INCHES	+.06-.00	+.25-.25	+.25-.25	+.25-.25
6 INCHES TO 8 FEET		+.50-.50	+.50-.50	+.50-.50

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	1900712
SCALE-NONE	REV LTR AB	SHEET 5 OF 150

PENNANT

LIST OF MATERIALS

NOTE	ITEM	QTY	PART NO	DESCRIPTION
	1	1	1900712-001	WIRE ND1002181 TYPE 1 CLASS 1 24AWG WHT 1360 FT TOTAL LENGTH
	2	1	1900712-002	WIRE ND1002181 TYPE 1 CLASS 1 22AWG WHT 3438 FT TOTAL LENGTH
	3	1	1900712-003	WIRE ND1002181 TYPE 1 CLASS 1 20AWG WHT 2660 FT 2 INCHES TOTAL LENGTH
	4	1	1900712-004	WIRE ND1002181 TYPE 1 CLASS 1 16AWG WHT 324 FT 7 INCHES TOTAL LENGTH
	5	1	1900712-005	WIRE ND1002181 TYPE 1 CLASS 1 14AWG WHT 112 FT TOTAL LENGTH
	6	1	1900712-006	WIRE ND1002181 TYPE 1 CLASS 1 12AWG WHT 242 FT 7 INCHES TOTAL LENGTH
	7	1	1900712-007	WIRE ND1002181 TYPE 1 CLASS 4 WHT JKT 24AWG WHT 432 FT TOTAL LENGTH
	8	1	1900712-008	WIRE ND1002181 TYPE 1 CLASS 4 WHT JKT 22AWG WHT 48 FT TOTAL LENGTH
	9	1	1900712-009	WIRE ND1002181 TYPE 1 CLASS 4 WHT JKT 20AWG WHT 48 FT TOTAL LENGTH
	10	1	1900712-010	WIRE ND1002181 TYPE 2 CLASS 4 WHT JKT 24AWG (WHT-BLUE, WHT-RED) 2168 FT TOTAL LENGTH
	11	1	1900712-011	WIRE ND1002181 TYPE 2 CLASS 4 WHT JKT 22AWG (WHT-BLUE, WHT-RED) 352 FT TOTAL LENGTH
	12	1	1900712-012	WIRE ND1002181 TYPE 2 CLASS 4 WHT JKT 20AWG (WHT-BLUE, WHT-RED) 176 FT TOTAL LENGTH

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	1900712
SCALE-NONE	REV LTR AC	SHEET 6 OF 150

PENNANT

LIST OF MATERIALS

NOTE	ITEM	QTY	PART NO	DESCRIPTION
	13			DELETED (1900712-013)
	14	1	1900712-014	WIRE ND1002181 TYPE 3 CLASS 4 WHT JKT 24AWG (WHT-BLUE, WHT-RED, WHT-YEL) 240 FT TOTAL LENGTH
	15	1	1900712-015	WIRE ND1002181 TYPE 3 CLASS 4 WHT JKT 22AWG (WHT-BLUE, WHT-RED, WHT-YEL) 56 FT TOTAL LENGTH
	16	1	1900712-016	WIRE ND1002181 TYPE 3 CLASS 4 WHT JKT 20AWG (WHT-BLUE, WHT-RED, WHT-YEL) 48 FT TOTAL LENGTH
	17	1	1900712-017	WIRE ND1002181 TYPE 1 CLASS 1 8AWG WHT 16 FT TOTAL LENGTH
	18	1	MS3127E22-55P	(1897053-550) CONNECTOR-RECEPTACLE, ELECTRICAL
	19	5	MS3127E24-61SX	(1897056-612) CONNECTOR-RECEPTACLE ELECTRICAL
	20	4	MS3127E24-61G	(1897056-610) CONNECTOR-RECEPTACLE, ELECTRICAL
	21	2	MS3127E24-61SY	(1897056-613) CONNECTOR-RECEPTACLE ELECTRICAL
	22	1	MS3102E28-10P	(1897100-100) CONNECTOR-RECEPTACLE, ELECTRICAL
	23	1	MS3127E22-55PX	(1897053-552) CONNECTOR-RECEPTACLE ELECTRICAL
	24	2	MS3127E22-55S	(1897054-550) CONNECTOR-RECEPTACLE, ELECTRICAL
	25	3	MS3127E24-61P	(1897055-610) CONNECTOR-RECEPTACLE, ELECTRICAL
	26	4	MS3127E24-61SW	(1897056-611) CONNECTOR-RECEPTACLE ELECTRICAL
	27	2	MS3127E24-61SZ	(1897056-614) CONNECTOR-RECEPTACLE ELECTRICAL
	28	1	MS3102A28-20S	(1898055-200) CONNECTOR-RECEPTACLE, ELECTRICAL

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	1900712
SCALE-NONE	REV LTR AB	SHEET 7 OF 150

PENNANT LIST OF MATERIALS

NOTE	ITEM	QTY	PART NO	DESCRIPTION
16	47	166	1015864-227	INSULATION-SLEEVING, ELECTRICAL
16	48	172	1015864-169	INSULATION-SLEEVING, ELECTRICAL
16	49	273	1015864-167	INSULATION-SLEEVING, ELECTRICAL
16	50	309	1010490-196	INSULATION SLEEVING, ELECTRICAL, HEAT SHRINK
16	51	130	1010490-286	INSULATION SLEEVING, ELECTRICAL, HEAT SHRINK
16	52	365	1010490-198	INSULATION SLEEVING, ELECTRICAL, HEAT SHRINK
16	53	66	1010490-208	INSULATION SLEEVING, ELECTRICAL, HEAT SHRINK
16	54	54	1000243-003	FERRULE, ELECTRICAL CONDUCTOR
16	55	12	1000243-004	FERRULE, ELECTRICAL CONDUCTOR
16	56	274	1000243-008	FERRULE, ELECTRICAL CONDUCTOR
16	57	35	1000243-009	FERRULE, ELECTRICAL CONDUCTOR
	58			DELETED (1000243-011)
16	59	24	1000243-014	FERRULE, ELECTRICAL CONDUCTOR
16	60	8	1000243-015	FERRULE, ELECTRICAL CONDUCTOR
	61			DELETED (1000243-023)
	62			DELETED (1000242-002)
16	63	66	1000242-004	FERRULE, ELECTRICAL CONDUCTOR
16	64	274	1000242-007	FERRULE, ELECTRICAL CONDUCTOR

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 9 OF 150

PENNANT LIST OF MATERIALS

NOTE	ITEM	QTY	PART NO	DESCRIPTION
16	65	39	1000242-008	FERRULE, ELECTRICAL CONDUCTOR
16	66	7	1000242-011	FERRULE, ELECTRICAL CONDUCTOR
16	67	24	1000242-012	FERRULE, ELECTRICAL CONDUCTOR
16	68	6	1000242-016	FERRULE, ELECTRICAL CONDUCTOR
	69			DELETED (1000242-018)
16	70	2	1015864-187	INSULATION-SLEEVING, ELECTRICAL
16	71	2	MS3127E22-55PW	(1897053-551) CONNECTOR-RECEPTACLE ELECTRICAL
16	72	2	1016048- 19	TERMINAL-LUG
16	73	1	1016059-100	CONNECTOR
16	74	1	1016059-101	CONNECTOR
16	75	1	1016059-103	CONNECTOR
16	76	1	1016059-105	CONNECTOR
16	77	1	1016059-106	CONNECTOR
16	78	1	1016059-107	CONNECTOR
16	79	1	1016059-108	CONNECTOR
16	80	1	1016059-110	CONNECTOR
	81	AR	MIL-T-719	LACING TAPE TYPE P CLASS 2 BLACK (ES-2732 NO. 18)
	82	AR	QQ-S-571	SOLDER SN60 (ES-2175 ALLOY 1)

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 10 OF 150

PENNANT LIST OF MATERIALS

NOTE	ITEM	QTY	PART NO	DESCRIPTION
	83	AR	QQ-S-571	FLUX TYPE AR (ES-2175 TYPE 1 OR 2) OR MIL-F-14256 FLUX (ES-2798)
16	84	9	1016128-001	BAND-IDENTIFICATION BLANK
	85	1	MS3127E24-61PX	(1897055-612) CONNECTOR-RECEPTACLE ELECTRICAL
16	86	50	1000243-011	FERRULE, ELECTRICAL CONDUCTOR
16	87	43	1000242-010	FERRULE, ELECTRICAL CONDUCTOR
16	88	5	1016287-002	ADAPTER-WIRE, SOLDER POT, COPPER CRIMP STYLE
16	89	7	1015864-194	INSULATION-SLEEVING, ELECTRICAL
16	90	49	1015864-284	INSULATION-SLEEVING, ELECTRICAL
	91	AR	MIL-I-15126F	INSULATION-TAPE, ELECTRICAL, PRESSURE SENSITIVE THERMO SETTING ADHESIVE TYPE ACT .75 PLUS OR MINUS .03 WIDE (ES-2710 TYPE C)
16	92	4	1015864-220	INSULATION-SLEEVING, ELECTRICAL

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 11 OF 150

CONDUCTOR INDIVIDUAL WIRES NUMBER	NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	ITEM NO	TERMINATION TYPE	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	ITEM NO	TERMINATION SPEC	NO.
A 1	1	J1-E*	22M		1	J35-C*	22M		300
A 2	1	J1-D*	22M		1	J41-B*	22M		280
A 3	11		180 150 51 87 88 5				250 220 51	7A	
A 3A	2	SHLD A3	25M			E20-8	98M		22
A 3L		J1-K*	22M		1	E11	25Y		128
A 3R		J1-J*	22M		1	XF12- 2	31Y		127
A 4	11		230 200 51 87 88 5				250 200 51	7A	
A 4A	2	SHLD A4	25M			E20-8	98M		22
A 4L		J1-N*	22M		1	E9	25Y		199
A 4R		J1-M*	22M		1	XF9- 2	31Y		194
A 5	11		280 250 51 87 88 5				280 220 51	7A	
A 5A	2	SHLD A5	25M			E20-8	98M		22
A 5L		J1-Q*	22M		1	E7	25Y		145
A 5R		J1-P*	22M		1	XF6- 2	31Y		142
A 6	3	J1-S*	22M		1	TB12- 4	25M		184
A 7	10		330 300 50 64 56 5				250 220 52	7A	
A 7A	2	SHLD A7	25M			E20-8	98M		22
A 7L		J1-U*	22M		1	K18- 2	31Y	48	176

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 12 OF 150

GNW

WIRING HARNESS A AR 1900712

CONDUCTOR NUMBER	ITEM NO.	FROM: CUT WIRE OR SHIELD / STRIP WIRE OR JACKET / CIRCUIT POINT	FROM: TERMINATION SPEC	FROM: ITEM NO	TO: CUT WIRE OR SHIELD / STRIP WIRE OR JACKET / CIRCUIT POINT	TO: TERMINATION SPEC	TO: ITEM NO
A 7R		J1-T* 22N		1	K18- 6 31Y	46	176
A 8	3	J1-V* 22N		1	TB12- 2 25Y		183
A 9	9	J1-X* 22N		1	TB12- 8 25Y		186
A 10	10	180 150 50 64 56 5			250 220 52	7A	
A 10A	2	SHLD A10 25N			E20-B 38N		22
A 10L		J1-Z* 22N		1	K20- 9 31Y	47	178
A 10R		J1-Y* 22N		1	K20-13 31Y	47	178
A 11	1	J1-AA 22N		1	K20- 6 31Y	47	178
A 12	1	J1-BB 22N		1	K20- 2 31Y	47	178
A 13	8	250 200 52 63 55 5			200 170 55	7A	
A 13A	2	SHLD A13 25N			E20-B 38N		22
A 13W		J1-CC 22N		1	K28- 3 31Y	46	207
A 14	8	280 250 52 63 55 5			200 170 53	7A	
A 14A	2	SHLD A14 25N			E20-B 38N		22
A 14W		J1-DC 22N		1	K27- 3 31Y	46	206
A 15	3	J1-EE 22N		1	TB12-14 25Y		189
A 16	3	J1-FF 22N		1	TB12-12 25Y		188
A 17	1	J92-AA 22N		307	TB13-12B 19N	42	266

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AR | SHEET 13 OF 150

GNW

WIRING HARNESS A AR 1900712

CONDUCTOR NUMBER	ITEM NO.	FROM: CUT WIRE OR SHIELD / STRIP WIRE OR JACKET / CIRCUIT POINT	FROM: TERMINATION SPEC	FROM: ITEM NO	TO: CUT WIRE OR SHIELD / STRIP WIRE OR JACKET / CIRCUIT POINT	TO: TERMINATION SPEC	TO: ITEM NO
A 18	16				330 300 90 68 60 5		51 7A
A 18A	2	SHLD A18 25N			E21-B 38N		3
A 18L		J2-J 22N		5	E8 25Y		140
A 18R		J2-G 22N		5	XF8- 2 31Y		139
A 18Y		J2-H 22N		5	XF7- 2 31Y		141
A 19	11	280 250 51 87 86 5			250 220 51	7A	
A 19A	2	SHLD A19 25N			E21-B 38N		3
A 19L		J2-L 22N		5	E12 25Y		125
A 19R		J2-K 22N		5	XF13- 2 31Y		126
A 20	11	280 200 51 87 86 5			250 220 51	7A	
A 20A	2	SHLD A20 25N			E21-B 38N		3
A 20L		J2-M 22N		5	E14 25Y		121
A 20R		J2-M 22N		5	XF16- 2 31Y		120
A 21	10	180 150 50 64 56 5			250 220 52	7A	
A 21A	2	SHLD A21 25N			E21-B 38N		3
A 21L		J2-D 22N		5	K34- 7 31Y	47	219
A 21R		J2-C 22N		5	K34- 1 31Y	46	219
A 22	10	180 150 50 64 56 5			250 220 51	7A	

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AR | SHEET 14 OF 150

GNW

WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	ITEM NO.	FROM: CUT WIRE OR SHIELD / STRIP WIRE OR JACKET / CIRCUIT POINT	FROM: TERMINATION SPEC	FROM: ITEM NO	TO: CUT WIRE OR SHIELD / STRIP WIRE OR JACKET / CIRCUIT POINT	TO: TERMINATION SPEC	TO: ITEM NO
A 22A	2	SHLD A22 25N			E21-B 38N		3
A 22L		J2-Y 22N		5	XF11- 2 31Y		191
A 22R		J2-X 22N		5	XF10- 2 31Y		139
A 22Y		J2-Z 22N		5	E10 25Y		132
A 23	10	230 200 50 64 58 5			250 220 52	7A	
A 23A	2	SHLD A23 25N			E21-B 38N		3
A 23L		J2-B* 22N		5	K65- 3 31Y	48	255
A 23R		J2-A* 22N		5	K65- 8 31Y	48	255
A 24	10	280 250 50 64 56 5			250 220 52	7A	
A 24A	2	SHLD A24 25N			E21-B 38N		3
A 24L		J2-D* 22N		5	K65- 9 31Y	48	255
A 24R		J2-C* 22N		5	K65-12 31Y	48	255
A 25	10	330 300 50 64 56 5			250 220 52	7A	
A 25A	2	SHLD A25 25N			E21-B 38N		3
A 25L		J2-E* 22N		5	K66- 3 31Y	48	256
A 25R		J2-F* 22N		5	K66- 6 31Y	48	256
A 26	10	180 150 50 64 56 5			250 220 52	7A	
A 26A	2	SHLD A26 25N			E21-B 38N		3

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AB | SHEET 15 OF 150

WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	ITEM NO.	FROM: CUT WIRE OR SHIELD / STRIP WIRE OR JACKET / CIRCUIT POINT	FROM: TERMINATION SPEC	FROM: ITEM NO	TO: CUT WIRE OR SHIELD / STRIP WIRE OR JACKET / CIRCUIT POINT	TO: TERMINATION SPEC	TO: ITEM NO
A 26L		J2-H* 22N		5	K66- 9 31Y	48	256
A 26R		J2-G* 22N		5	K66-12 31Y	48	256
A 27	1	J33-AA 22N		304	TB13-12C 19N	42	266
A 28	7	230 200 52 63 54 5			200 170 53	7A	
A 28A	2	SHLD A28 25N			E22-B 38N		2
A 28W		J2-N* 22N		5	J44-T* 22N		274
A 29	7	230 200 52 63 54 5			200 170 53	7A	
A 29A	2	SHLD A29 5N			E22-B 38N		2
A 29W		J2-P* 22N		5	J44-U* 22N		274
A 30	7	280 250 52 63 54 5			200 170 53	7A	
A 30A	2	SHLD A30 25N			E22-B 38N		2
A 30W		J2-Q* 22N		5	J43-Q* 22N		275
A 31	7	330 300 52 63 54 5			200 170 53	7A	
A 31A	2	SHLD A31 25N			E22-B 38N		2
A 31W		J2-R* 22N		5	J43-G* 22N		275
A 32	7	180 150 52 63 54 5			200 170 53	7A	
A 32A	2	SHLD A32 25N			E22-B 38N		2
A 32W		J2-S* 22N		5	J43-H* 22N		275

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AB | SHEET 16 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. (1)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO	TO NO.
A 33	7		230 200 52 63 54 5			200 170 53	7A
A 33A	2	SHLD A33	25N		E22-B	38N	2
A 33W		J2-T*	22N	5	J44-H*	22N	274
A 34	3	J2-U*	22N	5	J43-W*	22N	275
A 35	7		280 250 52 63 54 5			200 170 53	7A
A 35A	2	SHLD A35	25N		E22-B	38N	2
A 35W		J2-V*	22N	5	J43-M*	22N	275
A 36	7		330 300 52 63 54 5			200 170 53	7A
A 36A	2	SHLD A36	25N		E23-B	38N	4
A 36W		J2-W*	22N	5	J43-N*	22N	275
A 37	7		180 150 52 63 54 5			200 170 53	7A
A 37A	2	SHLD A37	25N		E23-B	38N	4
A 37W		J2-X*	22N	5	J43-P*	22N	275
A 38	7		230 200 52 63 54 5			200 170 53	7A
A 38A	2	SHLD A38	25N		E23-B	38N	4
A 38W		J2-Y*	22N	5	J44-V*	22N	274
A 39	7		280 250 52 63 54 5			200 170 53	7A
A 39A	2	SHLD A39	25N		E23-B	38N	4

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 17 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. (1)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO	TO NO.
A 39W		J2-Z*	22N	5	J44-W*	22N	274
A 40	7		330 300 52 63 54 5			200 170 53	7A
A 40A	2	SHLD A40	25N		E23-B	38N	4
A 40W		J2-AA	22N	5	J44-X*	22N	274
A 41	7		180 150 52 63 54 5			200 170 53	7A
A 41A	2	SHLD A41	25N		E23-B	38N	4
A 41W		J2-BB	22N	5	J44-Y*	22N	274
A 42	2	J2-DD	22N	5	K34-13	31Y 47	212
A 43	2	J2-CC	22N	5	XF19- 2	Y	122
A 44	11		230 200 51 87 86 5			250 220 51	7A
A 44A	2	SHLD A44	25N		E23-B	38N	4
A 44L		J2-FF	22N	5	E19	35Y	124
A 44R		J2-EE	22N	5	XF14- 2	Y	123
A 45	10		180 150 50 64 56 5			250 220 52	7A
A 45A	2	SHLD A45	25N		E24-B	38N	6
A 45L		J3-A*	22N	8	K45-12	31Y 49	224
A 45R		J3-B*	22N	8	K45- 9	31Y 49	224
A 46	10		230 200 50 64 56 5			250 220 52	7A

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 18 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. (1)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO	TO NO.
A 46A	2	SHLD A46	25N		E24-B	38N	6
A 46L		J3-D*	22N	8	K45- 6	31Y 49	224
A 46R		J3-C*	22N	8	K45- 3	31Y 49	224
A 47	10		280 250 50 64 56 5			250 220 52	7A
A 47A	2	SHLD A47	25N		E24-B	38N	6
A 47L		J3-F*	22N	8	K44-15	31Y 49	223
A 47R		J3-E*	22N	8	K44-12	31Y 49	223
A 48	10		330 300 50 64 56 5			250 220 52	7A
A 48A	2	SHLD A48	25N		E24-B	38N	6
A 48L		J3-H*	22N	8	K44- 9	31Y 49	223
A 48R		J3-G*	22N	8	K44- 6	31Y 49	223
A 49	10		180 150 50 64 56 5			250 220 52	7A
A 49A	2	SHLD A49	25N		E24-B	38N	6
A 49L		J3-J*	22N	8	K49-12	31Y 49	228
A 49R		J3-K*	22N	8	K49- 9	31Y 49	228
A 50	10		230 200 50 64 56 5			250 220 52	7A
A 50A	2	SHLD A50	25N		E24-B	38N	6
A 50L		J3-R*	22N	8	K49- 6	31Y 49	228

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 19 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. (1)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO	TO NO.
A 50R		J3-M*	22N	8	K49- 3	31Y 49	228
A 51	10		280 250 50 64 56 5			250 220 52	7A
A 51A	2	SHLD A51	25N		E24-B	38N	6
A 51L		J3-Q*	22N	8	K48-15	31Y 49	227
A 51R		J3-P*	22N	8	K48-12	31Y 49	227
A 52	10		330 300 50 64 56 5			250 220 52	7A
A 52A	2	SHLD A52	25N		E24-B	38N	6
A 52L		J3-S*	22N	8	K48- 9	31Y 49	227
A 52R		J3-R*	22N	8	K48- 6	31Y 49	227
A 53	10		180 150 50 64 56 5			250 220 52	7A
A 53A	2	SHLD A53	25N		E25-B	38N	7
A 53L		J3-U*	22N	8	K53-12	31Y 49	232
A 53R		J3-T*	22N	8	K53- 9	31Y 49	232
A 54	10		230 200 50 64 56 5			250 220 52	7A
A 54A	2	SHLD A54	25N		E25-B	38N	7
A 54L		J3-W*	22N	8	K53- 6	31Y 49	232
A 54R		J3-V*	22N	8	K53- 3	31Y 49	232
A 55	10		280 250 50 64 56 5			250 220 52	7A

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 20 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO
A 55A	2		SHLD A55	25N			E25-R	38N		7
A 55L			J3-K*	22N		8	K52-15	31Y	49	231
A 55R			J3-Y*	22N		8	K52-12	31Y	49	231
A 56	10			330 300 50 64 56 5				250 220 52	7A	
A 56A	2		SHLD A56	25N			E25-R	38N		7
A 56L			J3-BB	22N		8	K52- 9	31Y	49	231
A 56R			J3-AA	22N		8	K52- 6	31Y	49	231
A 57	12			180 150 90 67 59 5				250 220 51	7A	
A 57A	2		SHLD A57	25N			E25-B	38N		7
A 57L			J3-DD	22N		8	K21- 8	31Y	47	180
A 57R			J3-CC	22N		8	K21-14	31Y	47	180
A 58	12			230 200 90 67 59 5				250 220 51	7A	
A 58A	2		SHLD A58	25N			E25-B	38N		7
A 58L			J3-FF	22N		8	K21- 1	31Y	47	180
A 58R			J3-EE	22N		8	K21- 7	31Y	47	180
A 59	12			280 250 90 67 59 5				250 220 51	7A	
A 59A	2		SHLD A59	25N			E25-B	38N		7
A 59L			J3-MM	22N		8	E6	25Y		145

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 21 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO
A 59R			U3-GG	22N		8	KF5- 2	31Y		144
A 60	12			330 300 90 67 59 5				250 220 51	7A	
A 60A	2		SHLD A60	25N			E25-R	38N		7
A 60L			J3-KK	22N		8	TB7-10D	19Y	43	39
A 60R			J3-JJ	22N		8	TR7- 9D	19Y	43	39
A 61	1		J3-LL	22N		8	J27-K*	22N		168
A 62	10			180 150 50 64 56 5				250 220 52	7A	
A 62A	2		SHLD A62	25N			E26-B	38N		9
A 62L			J4-T	22N		12	J22-N	22N		158
A 62R			J4-S	22N		12	J22-M	22N		158
A 63	10			230 200 50 64 56 5				250 220 52	7A	
A 63A	2		SHLD A63	25N			E26-B	38N		9
A 63L			J4-V	22N		12	J22-X	22N		158
A 63R			J4-U	22N		12	J22-W	22N		158
A 64	10			280 250 50 64 56 5				250 220 52	7A	
A 64A	2		SHLD A64	25N			E26-B	38N		9
A 64L			J4-X	22N		12	J22-V	22N		158
A 64R			J4-W	22N		12	J22-U	22N		158

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 22 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO
A 65	10			330 300 50 64 56 5				250 220 52	7A	
A 65A	2		SHLD A65	25N			E26-B	38N		9
A 65L			J4-Z	22N		12	J22-R	22N		158
A 65R			J4-Y	22N		12	J22-P	22N		158
A 66	10			180 150 50 64 56 5				250 220 52	7A	
A 66A	2		SHLD A66	25N			E26-B	38N		9
A 66L			J4-C*	22N		12	J22-T	22N		158
A 66R			J4-B*	22N		12	J22-S	22N		158
A 67	1		J4-D*	22N		12	TB13- 6A	19N	42	266
A 68	1		J4-E*	22N		12	TB11- 1A	19N	42	37
A 69	1		J4-F*	22N		12	J49-J*	22N		268
A 70	12			230 200 90 67 59 5				250 220 51	7A	
A 70A	2		SHLD A70	25N			E26-B	38N		9
A 70L			J4-M*	22N		12	TB11- 5D	19N	43	37
A 70R			J4-G*	22N		12	TB11- 3D	19N	43	37
A 71	10			280 250 50 64 56 5				250 220 52	7A	
A 71A	2		SHLD A71	25N			E26-B	38N		9
A 71L			J4-K*	22N		12	TB11- 8A	19N	42	37

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AP | SHEET 23 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO
A 71R			J4-J*	22N		12	TR11- 7A	19N	42	37
A 72	10			330 300 50 64 56 5				250 220 52	7A	
A 72A	2		SHLD A72	25N			E26-B	38N		9
A 72L			J4-N*	22N		12	TB11-14A	19N	42	37
A 72R			J4-M*	22N		12	TB11-13A	19N	42	37
A 73	10			180 150 50 64 56 5				250 220 52	7A	
A 73A	2		SHLD A73	25N			E27-R	38N		10
A 73L			J4-Q*	22N		12	TP11-10B	19N	42	37
A 73R			J4-P*	22N		12	TP11- 9B	19N	42	37
A 74	10			230 200 50 64 56 5				250 220 52	7A	
A 74A	2		SHLD A74	25N			E27-R	38N		10
A 74L			J4-S*	22N		12	TP11-12R	19N	42	37
A 74R			J4-R*	22N		12	TB11-11B	19N	42	37
A 75	10			280 250 50 64 56 5				250 220 52	7A	
A 75A	2		SHLD A75	25N			E27-B	38N		10
A 75L			J4-U*	22N		12	TB11-18B	19N	42	37
A 75R			J4-T*	22N		12	TB11-17B	19N	42	37
A 76	10			330 300 50 64 56 5				250 220 52	7A	

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 24 OF 150

CONDUCTOR NUMBER	CONDUCTOR ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC NO.	FROM ITEM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC NO.	TO ITEM NO
A 76A	2	SHLD A76	25N			E27-B	38N		10
A 76L		J6-W*	22N		12	TB11-16B	19N	42	37
A 76R		J6-V*	22N		12	TB11-15B	19N	42	37
A 77	14		180 150 50 63 57 5				250 220 52		7A
A 77A	2	SHLD A77	25N			E27-B	38N		10
A 77L		J6-Y*	22N		12	J43-Y*	22N		275
A 77R		J6-X*	22N		12	J43-X*	22N		275
A 77Y		J6-Z*	22N		12	J43-Z*	22N		275
A 78	14		230 200 50 65 57 5				250 220 52		7A
A 78A	2	SHLD A78	25N			E27-B	38N		10
A 78L		J6-CC	22N		12	J43-GG	22N		275
A 78R		J6-BB	22N		12	J43-FF	22N		275
A 78Y		J6-DD	22N		12	J43-HH	22N		275
A 79	14		280 250 50 65 57 5				250 220 52		7A
A 79A	2	SHLD A79	25N			E27-B	38N		10
A 79L		J6-EE	22N		12	J43-DD	22N		275
A 79R		J6-FF	22N		12	J43-CC	22N		275
A 79Y		J6-GG	22N		12	J43-EE	22N		275

1. > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AB | SHEET 25 OF 150

CONDUCTOR NUMBER	CONDUCTOR ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC NO.	FROM ITEM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC NO.	TO ITEM NO
A 80	10		330 300 50 64 56 5				250 220 52		7A
A 80A	2	SHLD A80	25N			E27-B	38N		10
A 80L		J4-KK	22N		12	J43-L	22N		275
A 80R		J4-JJ	22N		12	J43-K	22N		275
A 81	1	J5-L	22N		16	J34-T	22N		301
A 82	3	J5-M	22N		16	TB17-12D	19N	43	261
A 83	10		280 250 50 64 56 5				230 200 52		7A
A 83A	2	SHLD A83	25N			E57-B	38N		299
A 83L		J35-K*	22N		300	TB17-14R	19N	42	261
A 83R		J35-J*	22N		300	TB17-13B	19N	42	261
A 84	6		180 150 52 63 55 5				250 220 53		7A
A 84A	2	SHLD A84	25N			E65-B	38N		276
A 84W		J43-R	22N		275	TB17-11D	19N	42	261
A 85	10		180 150 50 64 56 5				250 220 52		7A
A 85A	2	SHLD A85	25N			E28-B	38N		14
A 85L		J5-D	22N		16	K38-13	31Y	48	217
A 85R		J5-C	22N		16	K38-10	31Y	89	217
A 86	10		230 200 50 64 56 5				280 220 52		7A

1. > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AB | SHEET 26 OF 150

CONDUCTOR NUMBER	CONDUCTOR ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC NO.	FROM ITEM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC NO.	TO ITEM NO
A 86A	2	SHLD A86	25N			E28-B	38N		14
A 86L		J5-F	22N		16	TB13- 8A	19Y	42	266
A 86R		J5-E	22N		16	TR13- 7A	19Y	42	266
A 87	1	J5-J	22N		16	U22-Y	22N		158
A 89	10		330 300 50 64 56 5				250 220 52		7A
A 89A	2	SHLD A89	25N			E28-R	38N		14
A 89L		J5-P	22N		16	J42-1*	22N		279
A 89R		J5-N	22N		16	J42-H*	22N		279
A 90	10		180 150 50 64 56 5				250 220 52		7A
A 90A	2	SHLD A90	25N			E28-B	38N		14
A 90L		J5-S	22N		16	K38- 7	31Y	48	217
A 90R		J5-R	22N		16	K38- 6	31Y	89	217
A 91	10		230 200 50 64 56 5				250 220 52		7A
A 91A	2	SHLD A91	25N			E28-B	38N		14
A 91L		J5-U	22N		16	TB6-12D	19N	42	38
A 91R		J5-T	22N		16	TB6-14D	19N	42	38
A 92	10		280 250 50 64 56 5				250 220 52		7A
A 92A	2	SHLD A92	25N			E28-R	38N		14

1. > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AR | SHEET 27 OF 150

CONDUCTOR NUMBER	CONDUCTOR ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC NO.	FROM ITEM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC NO.	TO ITEM NO
A 92L		J5-W	22N		16	K54- 7	31Y	48	241
A 92R		J5-V	22N		16	K54- 6	31Y	48	241
A 93	10		330 300 50 64 56 5				250 220 52		7A
A 93A	2	SHLD A93	25N			E28-B	38N		14
A 93L		J5-Y	22N		16	J42-K*	22N		279
A 93R		J5-X	22N		16	J42-J*	22N		279
A 94	10		180 150 50 64 56 5				250 220 52		7A
A 94A	2	SHLD A94	25N			E28-R	38N		14
A 94L		J5-B*	22N		16	TB6-10D	19N	42	38
A 94R		J5-A*	22N		16	TB6- 9D	19N	42	38
A 95	10		230 200 50 64 56 5				250 220 52		7A
A 95A	2	SHLD A95	25N			E28-B	38N		14
A 95L		J5-D*	22N		16	U22-A*	22N		158
A 95R		J5-C*	22N		16	U22-Z	22N		158
A 96	10		280 250 50 64 56 5				255 220 52		7A
A 96A	2	SHLD A96	25N			E29-B	38N		15
A 96L		J5-F*	22N		16	U22-E	22N		158
A 96R		J5-E*	22N		16	U22-D	22N		158

1. > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AR | SHEET 28 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO
A 97	10		180 150 50 64 56 5			250 220 52		7A	
A 97A	2	SHLD A97	25N			E29-R	38N		15
A 97L		J5-H*	22N		16	J22-G	22N		15A
A 97R		J5-G*	22N		16	J22-F	22N		15A
A 98	10		180 150 50 64 56 5			250 220 52		7A	
A 98A	2	SHLD A98	25N			E29-R	38N		15
A 98L		J5-K*	22N		16	J42-Z	22N		279
A 98R		J5-J*	22N		16	J42-Y	22N		279
A 99	10		230 200 50 64 56 5			250 220 52		7A	
A 99A	2	SHLD A99	25N			E29-R	38N		15
A 99L		J5-N*	22N		16	J42-G*	22N		279
A 99R		J5-M*	22N		16	J42-F*	22N		279
A 100	10		280 250 50 64 56 5			250 220 52		7A	
A 100A	2	SHLD A100	25N			E29-R	38N		15
A 100L		J5-Q*	22N		16	J42-N*	22N		279
A 100R		J5-P*	22N		16	J42-M*	22N		279
A 101	10		330 300 50 64 56 5			250 220 52		7A	
A 101A	2	SHLD A101	25N			E29-R	38N		15

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 29 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO
A 101L		J5-S*	22N		16	J42-Q*	22N		279
A 101R		J5-R*	22N		16	J42-P*	22N		279
A 102	10		180 150 50 64 56 5			250 220 52		7A	
A 102A	2	SHLD A102	25N			E29-R	38N		15
A 102L		J5-V*	22N		16	TB17- 6A	19N	42	261
A 102R		J5-U*	22N		16	TB17- 5A	19N	42	261
A 103	10		230 200 50 64 56 5			250 220 52		7A	
A 103A	2	SHLD A103	25N			E29-R	38N		15
A 103L		J5-X*	22N		16	TB11-14B	19N	42	37
A 103R		J5-W*	22N		16	TB11-13B	19N	42	37
A 104	10		280 250 50 64 56 5			250 220 52		7A	
A 104A	2	SHLD A104	25N			E30-B	38N		13
A 104L		J5-Z*	22N		16	TB11- 7B	19N	42	37
A 104R		J5-Y*	22N		16	TB11- 8B	19N	42	37
A 105	10		330 300 50 64 56 5			250 220 52		7A	
A 105A	2	SHLD A105	25N			E30-B	38N		13
A 105L		J5-BB	22N		16	TB17- 4C	19N	42	261
A 105R		J5-AA	22N		16	TB17- 3C	19N	42	261

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 30 OF 150

WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO
A 106	10		180 150 50 64 56 5			250 220 52		7A	
A 106A	2	SHLD A106	25N			E30-B	38N		13
A 106L		J5-DD	22N		16	K48-10	31Y	48	227
A 106R		J5-CC	22N		16	K48- 7	31Y	48	227
A 107	10		230 200 50 64 56 5			250 220 52		7A	
A 107A	2	SHLD A107	25N			E30-B	38N		13
A 107L		J5-FF	22N		16	K48-16	31Y	48	227
A 107R		J5-EE	22N		16	K48-13	31Y	48	227
A 108	10		280 250 50 64 56 5			250 220 52		7A	
A 108A	2	SHLD A108	25N			E30-B	38N		13
A 108L		J5-HH	22N		16	TB17- 2C	19N	42	261
A 108R		J5-GG	22N		16	TB17- 1C	19N	42	261
A 109	10		330 300 50 64 56 5			250 220 52		7A	
A 109A	2	SHLD A109	25N			E30-B	38N		13
A 109L		J5-JJ	22N		16	K59-19	31Y	48	249
A 109R		J5-KK	22N		16	K59-16	31Y	48	249
A 110	10		180 150 50 64 56 5			250 220 52		7A	
A 110A	2	SHLD A110	25N			E30-B	38N		13

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 31 OF 150

THE STD CONDUCTOR TERMINATION FIGURES ARE PER
DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS

SIZE A

SCALE-NONE REV LTR AC SHEET 32 OF 150

1900712

| NUMBER | | |

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC. ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO	TO NO
A 139R		J7-T*	22N	20	TB17- 9A	19N 43	261
A 140	1	J7-V*	22N	20	K4- 6	31Y 47	49
A 141	1	J7-W*	22N	20	K4- 4	31Y 46	49
A 142	3	J7-X*	22N	20	K6- 1	31Y 47	47
A 143	3	J7-Y*	22N	20	K1-X 1	19N 45	41
A 144	3	J7-Z*	22N	20	K1-X 2	19N 45	41
A 145	3	J7-AA	22N	20	XF19- 1	31Y	136
A 146	3	J7-BB	22N	20	TB7-16E	19N 43	35
A 147	1	J7-CC	22N	20	K3- 6	31Y 47	50
A 148	3	J7-DD	22N	20	K3- 4	31Y 47	50
A 149	3	J7-EE	22N	20	K2-11	19N 45	52
A 150	3	J7-FF	22N	20	K2-X 1	19N 45	51
A 151	3	J7-GG	22N	20	TB3- 6	19N 39	72
A 152	3	J7-HH	22N	20	TB3- 1	19N 39	79
A 153	3	J8-T	22N	25	J39-M*	22N	291
A 154	1	J8-U	22N	25	J27-LL	22N	168
A 155	1	J8-V	22N	25	J27-Z*	22N	168
A 156	3	J8-W	22N	25	J27-FF	22N	168

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 34 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO	TO NO
A 158	1	J8-Y	22N	25	J27-MM	22N	168
A 159	1	J8-Z	22N	25	J27-JJ	22N	168
A 160	1	J8-A*	22N	25	P11-C*	31Y	119
A 161	1	J8-B*	22N	25	P10-A	31Y	112
A 162	1	J8-C*	22N	25	P10-B	31Y	112
A 163	1	J8-D*	22N	25	P10-C	31Y	112
A 164	1	J8-E*	22N	25	P10-D	31Y	112
A 165	1	J8-F*	22N	25	P10-E	31Y	112
A 166	1	J8-G*	22N	25	P10-F	31Y	112
A 167	1	J8-H*	22N	25	P10-G	31Y	112
A 168	1	J8-J*	22N	25	P10-H	31Y	112
A 169	1	J8-K*	22N	25	P10-J	31Y	112
A 170	1	J8-M*	22N	25	P8-K	31Y	119
A 171	1	J8-N*	22N	25	P8-M	31Y	115
A 172	1	J8-P*	22N	25	P9-D	31Y	116
A 173	1	J8-Q*	22N	25	P9-P	31Y	116
A 174	1	J8-R*	22N	25	P9-A*	31Y	116
A 175	1	J8-U*	22N	25	K7- 5	31Y 49	46

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 35 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO	TO NO
A 176	1	J8-V*	22N	25	K7- 3	31Y 49	46
A 177	1	J8-X*	22N	25	J34-N*	22N	301
A 178	1	J8-Y*	22N	25	J34-P*	22N	301
A 179	1	J8-Z*	22N	25	J34-R*	22N	301
A 180	1	J8-AA	22N	25	J34-V*	22N	301
A 181	3	J8-BB	22N	25	J34-K	22N	301
A 182	1	J8-CC	22N	25	J34-HH	22N	301
A 183	1	J8-DD	22N	25	J39-A*	22N	291
A 184	7		180 150 52 63 54 5			200 170 53	7A
A 184A	2	SHLD A184	25N		E91-B	38N	21
A 184W		J8-EE	22N	25	J39-D*	22N	291
A 185	3	J8-FF	22N	25	J39-R*	22N	291
A 186	1	J8-GG	22N	25	J39-U*	22N	291
A 187	7		230 200 52 63 54 5			200 170 53	7A
A 187A	2	SHLD A187	25N		E91-B	38N	21
A 187W		J8-HH	22N	25	J39-X*	22N	291
A 188	1	J8-J	22N	25	J39-Y*	22N	291
A 189	1	J8-K	22N	25	J39-Z*	22N	291

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 36 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO	TO NO
A 190	7		280 250 52 63 54 5			200 170 53	7A
A 190A	2	SHLD A190	25N		E91-B	38N	21
A 190W		J8-L	22N	25	J39-AA	22N	291
A 191	7		330 300 52 63 54 5			200 170 53	7A
A 191A	2	SHLD A191	25N		E91-B	38N	21
A 191W		J8-M	22N	25	J45-FF	22N	268
A 192	1	J8-N	22N	25	J39-FF	22N	291
A 193	3	J9-Y	22N	26	K65- 1	31Y 49	255
A 194	1	J9-Z	22N	26	J27-X*	22N	168
A 195	3	J9-A*	22N	26	K23- 9	31Y 49	203
A 196	3	J9-B*	22N	26	K23- 1	31Y 49	203
A 197	3	J9-C*	22N	26	K24- 1	31Y 49	204
A 198	3	J9-D*	22N	26	K24- 6	31Y 49	204
A 199	3	J9-E*	22N	26	K39- 6	31Y 49	218
A 200	3	J9-F*	22N	26	K39- 1	31Y 49	218
A 201	3	J9-G*	22N	26	K22- 3	31Y 49	202
A 202	3	J9-H*	22N	26	K22- 1	31Y 49	202
A 203	3	J9-J*	22N	26	K55- 1	31Y 49	247

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 37 OF 150

GNW WIRING HARNESS A AR 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	1	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	3	TERMINATION SPEC ITEM NO.	1	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	3	TERMINATION SPEC ITEM NO.	1	NO.
A 204	3		J9-K*	22N				26	K40- 1	31Y		49		219
A 205	3		J9-M*	22N				26	K41- 1	31Y		49		220
A 206	3		J9-N*	22N				26	K56- 1	31Y		49		243
A 207	3		J9-P*	22N				26	K57- 1	31Y		49		247
A 208	3		J9-Q*	22N				26	K42- 1	31Y		49		221
A 209	3		J9-R*	22N				26	K44- 3	31Y		49		223
A 210	3		J9-S*	22N				26	K44- 1	31Y		49		223
A 211	3		J9-T*	22N				26	K61- 1	31Y		49		251
A 212	3		J9-U*	22N				26	K46- 1	31Y		49		225
A 213	3		J9-V*	22N				26	K48- 3	31Y		49		227
A 214	3		J9-W*	22N				26	K48- 1	31M		49		227
A 215	3		J9-X*	22N				26	K50- 1	31Y		49		229
A 216	3		J9-Y*	22N				26	K52- 3	31Y		49		231
A 217	3		J9-Z*	22N				26	K52- 1	31Y		49		231
A 218	3		J9-AA	22N				26	K33- 4	31Y		47		212
A 219	3		J9-BB	22N				26	K33-11	31M		47		212
A 220	3		J9-CC	22N				26	K36- 4	31M		47		215
A 221	3		J9-DD	22N				26	K31- 4	31Y		46		210

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AR | SHEET 38 OF 150

GNW WIRING HARNESS A AR 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	1	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	3	TERMINATION SPEC ITEM NO.	1	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	3	TERMINATION SPEC ITEM NO.	1	NO.
A 222	3		J9-FE	22N				26	K31-11	31Y		46		210
A 223	3		J9-FF	22N				26	TB12-38	25Y				199
A 224	3		J9-GG	22N				26	TB12-37	25Y				198
A 225	1		J9-HH	22N				26	T91- 2	25Y				110
A 226	1		J9-JJ	22N				26	K7- 8	31Y		49		46
A 227	3		J9-KK	22N				26	K54- 1	31Y		49		241
A 228	1		J9-LL	22N				26	J27-W	22N				168
A 229	3		J9-MM	22N				26	J27-U*	22N				168
A 231	1		J9-PP	22N				26	J27-W*	22N				168
A 232	11			180	150	51	87	86	5	250	220	51		7A
A 232A	2		SHLD A232	25N					E32-B	38N				27
A 232L			J10-D	22N				29	K42- 8	31Y		48		221
A 232R			J10-C	22N				29	K42-11	31Y		48		221
A 233	11			230	200	51	87	86	5	250	220	51		7A
A 233A	2		SHLD A233	25N					E32-B	38N				27
A 233L			J10-F	22N				29	K46- 8	31Y		48		225
A 233R			J10-E	22N				29	K46-11	31Y		48		225
A 234	11			280	250	51	87	86	5	250	220	51		7A

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AR | SHEET 39 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	1	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	3	TERMINATION SPEC ITEM NO.	1	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	3	TERMINATION SPEC ITEM NO.	1	NO.
A 234A	2		SHLD A234	25N					E32-B	38N				27
A 234L			U10-H	22N				29	K50- 8	31Y		48		229
A 234R			U10-G	22N				29	K50-11	31Y		48		229
A 235	12			330	300	90	67	59	5	250	220	51		7A
A 235A	2		SHLD A235	25N					E32-B	38N				27
A 235L			U10-N	22N				29	T86- 5C	19N		49		38
A 235R			U10-M	22N				29	T86- 2C	19N		49		38
A 236	10			180	150	50	64	56	5	250	220	52		7A
A 236A	2		SHLD A236	25N					E32-B	38N				27
A 236L			U10-U	22N				29	K51-14	31Y		48		230
A 236R			U10-T	22N				29	K51-17	31Y		48		230
A 237	10			230	200	50	64	56	5	250	220	52		7A
A 237A	2		SHLD A237	25N					E32-B	38N				27
A 237L			U10-W	22N				29	K46-14	31Y		48		225
A 237R			U10-V	22N				29	K46-17	31Y		48		225
A 238	10			280	250	50	64	56	5	250	220	52		7A
A 238A	2		SHLD A238	25N					E32-B	38N				27
A 238L			U10-Y	22N				29	K42-14	31Y		48		221

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 40 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	1	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	3	TERMINATION SPEC ITEM NO.	1	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	3	TERMINATION SPEC ITEM NO.	1	NO.
A 238R			J10-X	22N				29	K42-17	31Y		48		221
A 239	10			250	220	50	64	56	5	250	220	52		7A
A 239A	2		SHLD A239	25N					E32-B	38N				27
A 239L			U10-N*	22N				29	K68-10	31Y		48		258
A 239R			U10-M*	22N				29	K68-13	31Y		48		258
A 240	10			330	300	50	64	56	5	250	220	52		7A
A 240A	2		SHLD A240	25N					E32-B	38N				27
A 240L			U10-Q*	22N				29	K64-13	31Y		48		254
A 240R			U10-P*	22N				29	K64-10	31Y		48		254
A 241	10			180	150	50	64	56	5	250	220	52		7A
A 241A	2		SHLD A241	25N					E33-B	38N				28
A 241L			U10-S*	22N				29	K45-10	31Y		48		224
A 241R			U10-R*	22N				29	K45-13	31Y		48		224
A 242	10			230	200	50	64	56	5	250	220	52		7A
A 242A	2		SHLD A242	25N					E33-R	38N				28
A 242L			U10-U*	22N				29	K67- 4	31Y		48		257
A 242R			U10-T*	22N				29	K67- 7	31Y		48		257
A 243	10			280	250	50	64	56	5	250	220	52		7A

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 41 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	ITEM NO.	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.
A 243A	2	SHLD A243	25N				E33-B	38N		28
A 243L		U10-BB	22N			29	K63- 4	31Y	48	253
A 243R		U10-AA	22N			29	K63- 7	31Y	48	253
A 244	10	330 300 50 64 56 5					250 220 52		7A	
A 244A	2	SHLD A244	25N				E33-B	38N		28
A 244L		U10-DD	22N			29	K45- 7	31Y	48	224
A 244R		U10-CC	22N			29	K45- 4	31Y	48	224
A 248	12	330 300 90 67 59 5					250 220 51		7A	
A 248A	2	SHLD A248	25N				E33-B	38N		28
A 248L		U10-PP	22N			29	K21- 3	31Y	92	180
A 248R		U10-NN	22N			29	K21- 5	31Y	92	180
A 249	8	180 150 52 63 55 5					200 170 53		7A	
A 249A	2	SHLD A249	25N				E34-B	38N		31
A 249W		U11-F	22N			32	J25-P*	22N		194
A 250	1	U11-G	22N			32	E92-B	38N		148
A 251	7	180 150 52 63 54 5					200 170 53		7A	
A 251A	2	SHLD A251	25N				E34-B	38N		31
A 251W		U11-H	22N			32	J39-GG	22N		291

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 42 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	ITEM NO.	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.
A 252	1	U11-J	22N			32	E92-B	38N		148
A 255	12	230 200 90 67 59 5					250 220 51		7A	
A 255A	2	SHLD A255	25N				E34-B	38N		31
A 255L		U11-P	22N			32	TB7-10C	19N	43	33
A 255R		U11-N	22N			32	TB7- 9C	19N	43	33
A 256	10	280 250 50 64 56 5					250 220 52		7A	
A 256A	2	SHLD A256	25N				E34-B	38N		31
A 256L		U11-S	22N			32	K31- 5	31Y	46	210
A 256R		U11-R	22N			32	K31-10	31Y	46	210
A 257	10	330 300 50 64 56 5					250 220 52		7A	
A 257A	2	SHLD A257	25N				E34-B	38N		31
A 257L		U11-U	22N			32	K32- 3	31Y	46	211
A 257R		U11-T	22N			32	K32- 5	31Y	46	211
A 258	10	180 150 50 64 56 5					250 220 52		7A	
A 258A	2	SHLD A258	25N				E34-B	38N		31
A 258L		U11-W	22N			32	K32-10	31Y	47	211
A 258R		U11-V	22N			32	K32-12	31Y	47	211
A 259	10	230 200 50 64 56 5					250 220 52		7A	

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 43 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	ITEM NO.	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.
A 259A	2	SHLD A259	25N				E34-B	38N		31
A 259L		U11-Y	22N			32	K35- 5	31Y	46	214
A 259R		U11-X	22N			32	K35- 3	31Y	46	214
A 260	10	280 250 50 64 56 5					250 220 52		7A	
A 260A	2	SHLD A260	25N				E34-B	38N		31
A 260L		U11-B*	22N			32	K35-12	31Y	46	214
A 260R		U11-A*	22N			32	K35-10	31Y	46	214
A 261	3	U5-K	22N			16	TB16- 1	19N	39	262
A 262	1	U8-S	22N			25	U34-DD	22N		301
A 263		DELETED								
A 264	3	U24-E	22N			173	TB13-14F	19N	43	266
A 265	1	U25-K*	22N			154	TB13-10D	19N	42	266
A 266	1	U37-CC	22N			295	TB13-14A	19N	42	266
A 267	6	U21-H	A1Y	46		149	TB4-10	31N	41	80
A 268	12	280 250 90 67 59 5					250 220 51		7A	
A 268A	2	SHLD A268	25N				E36-B	38N		155
A 268L		U21-N	25Y			149	TB17-10D	19N	43	261
A 268R		U21-M	25Y			149	TB17- 9D	19N	43	261

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 44 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	ITEM NO.	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.
A 269	6	U21-P	41Y	46		149	TB4- 2	31N	41	87
A 270	10	280 250 50 64 56 5					250 220 52		7A	
A 270A	2	SHLD A270	25N				E95-B	38N		172
A 270L		U24-KK	22N			173	TB13-20C	19N	42	266
A 270R		U24-JJ	22N			173	TB13-19C	19N	42	266
A 271	1	U31-K*	22N			311	TB17-13C	19N	42	261
A 272	7	230 200 52 63 54 5					250 200 53		7A	
A 272A	2	SHLD A272	25N				E94-B	38N		303
A 272W		U34-A	22N			301	XF17- 1	31Y		130
A 273	7	250 200 52 63 54 5					200 170 53		7A	
A 273A	2	SHLD A273	25N				E94-B	38N		303
A 273W		U34-E	22N			301	XF18- 1	31Y		129
A 274	3	U34-G	22N			301	E87-B	38N		263
A 275	3	U34-J	22N			301	E87-B	38N		263
A 276	1	U34-S	22N			301	U44-N	22N		274
A 277	16	280 250 90 68 60 5					280 250 51		7A	
A 277A	2	SHLD A277	25N				E57-B	38N		299
A 277L		U39-J	22N			300	TB6-10B	19N	43	38

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 45 OF 150

GNW WIRING HARNESS A 1900712

CONDUCTOR NUMBER	ITEM NO.	FROM CIRCUIT POINT	CUT WIRE OR SHIELD / STRIP WIRE OR JACKET / ITEM NO	NO.	TO CIRCUIT POINT	CUT WIRE OR SHIELD / STRIP WIRE OR JACKET / ITEM NO. / TERMINATION SPEC	NO
A 277R		J35-K	22N	300	TB6-11B	19N 43	38
A 277Y		J35-H	22N	300	TB6- 9B	19N 43	38
A 278	14		280 250 50 65 57 5			250 220 52 7A	
A 278A	2	SHLD A278	25N		E57-B	38N	299
A 278L		J35-T	22N	300	TB6-13B	19N 42	38
A 278R		J35-R	22N	300	TB6-14B	19N 42	38
A 278Y		J35-S	22N	300	TB6-12B	19N 42	38
A 279	1	J11-I•	22N	32	J25-J	22N	154
A 280	10		330 300 50 64 56 5			250 220 52 7A	
A 280A	2	SHLD A280	25N		E34-B	38N	31
A 280L		J11-D•	22N	32	K34- 5	31Y 46	213
A 280R		J11-C•	22N	32	K34- 3	31Y 46	213
A 281	14		180 150 50 65 57 5			250 220 52 7A	
A 281A	2	SHLD A281	25N		E34-B	38N	31
A 281L		J11-G•	22N	32	K37- 7	31Y 48	216
A 281R		J11-E•	22N	32	K37-10	31Y 48	216
A 281Y		J11-F•	22N	32	K37- 4	31Y 48	216
A 282	3	J11-H•	22N	32	J25-CC	22N	154

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER

2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AB | SHEET 46 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	ITEM NO.	FROM CIRCUIT POINT	CUT WIRE OR SHIELD / STRIP WIRE OR JACKET / ITEM NO.	NO.	TO CIRCUIT POINT	CUT WIRE OR SHIELD / STRIP WIRE OR JACKET / ITEM NO. / TERMINATION SPEC	NO
A 283	1	J11-K•	22N	32	J25-M	22N	154
A 284	1	J11-M•	22N	32	J25-FF	22N	154
A 285	1	J11-N•	22N	32	J25-GG	22N	154
A 286	3	J11-P•	22N	32	J25-S•	22N	154
A 287	3	J11-Q•	22N	32	J25-T•	22N	154
A 288	3	J11-R•	22N	32	TB12-19	25Y	191C
A 289	3	J11-S•	22N	32	TB13-12E	19N 43	266
A 290	3	J11-T•	22N	32	E92-B	38N	148
A 291	10		230 200 50 64 56 5			250 220 52 7A	
A 291A	2	SHLD A291	25N		E35-B	38N	30
A 291L		J11-V•	22N	32	J25-V•	22N	154
A 291R		J11-U•	22N	32	J25-U•	22N	154
A 292	10		280 250 50 64 56 5			250 220 52 7A	
A 292A	2	SHLD A292	25N		E35-B	38N	30
A 292L		J11-X•	22N	32	J25-X•	22N	154
A 292R		J11-W•	22N	32	J25-W•	22N	154
A 293	10		330 300 50 64 56 5			250 220 52 7A	
A 293A	2	SHLD A293	25N		E35-B	38N	30

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER

2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AB | SHEET 47 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	ITEM NO	FROM CIRCUIT POINT	CUT WIRE OR SHIELD / STRIP WIRE OR JACKET / ITEM NO	NO.	TO CIRCUIT POINT	CUT WIRE OR SHIELD / STRIP WIRE OR JACKET / ITEM NO. / TERMINATION SPEC	NO
A 293L		J11-Z•	22N	32	J25-Z•	22N	154
A 293R		J11-Y•	22N	32	J25-Y•	22N	154
A 294	3	J11-AA	22N	32	TB12-17	25Y	191A
A 295	3	J11-BB	22N	32	TB14- 6	19N 39	265
A 296	10		180 150 50 64 56 5			250 220 52 7A	
A 296A	2	SHLD A296	25N		E35-B	38N	30
A 296L		J11-DD	22N	32	J25-H•	22N	154
A 296R		J11-CC	22N	32	J25-G•	22N	154
A 297	1	J11-LL	22N	32	J25-AA	22N	154
A 298	1	J11-MM	22N	32	J25-BB	22N	154
A 299	1	J11-NN	22N	32	J25-DD	22N	154
A 300	1	J11-PP	22N	32	J25-EE	22N	154
A 301	6	J21-A	41Y 46	149	TB2- 9	31N 41	91
A 302	6	J21-B	41Y 46	149	TB2-10	31N 41	90
A 303	6	J21-C	41Y 46	149	TB2- 3	31N 41	98
A 304	6	J21-D	41Y 46	149	TB2- 2	31N 41	99
A 305	6	J21-E	41Y 46	149	TB16- 2	31N 41	262
A 306	6	J21-F	41Y 46	149	TB16- 4	31N 41	262

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER

2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AB | SHEET 48 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	ITEM NO.	FROM CIRCUIT POINT	CUT WIRE OR SHIELD / STRIP WIRE OR JACKET / ITEM NO	NO.	TO CIRCUIT POINT	CUT WIRE OR SHIELD / STRIP WIRE OR JACKET / ITEM NO / TERMINATION SPEC	NO
A 307	6	J21-G	41Y 46	149	TB15- 1	31N 41	264
A 308	4	J21-K	28Y 47	149	TB5- 4	19N 40	63
A 309	4	J21-L	28Y 47	149	TB5- 3	19N 40	64
A 310	3	J22-B	22N	158	E37-B	38N	156
A 311	10		180 150 50 64 56 5			250 220 52 7A	
A 311A	2	SHLD A311	25N		E37-B	38N	156
A 311L		J22-K	22N	158	K67-10	31Y 48	257
A 311R		J22-H	22N	158	K67-13	31Y 48	257
A 312	1	J22-J	22N	158	TB11- 7F	19N 42	37
A 313	10		230 200 50 64 56 5			250 220 52 7A	
A 313A	2	SHLD A313	25N		E36-B	38N	155
A 313L		J22-C•	22N	158	K44-10	31Y 48	223
A 313R		J22-B•	22N	158	K44- 7	31Y 48	223
A 314	10		280 250 50 64 56 5			250 220 52 7A	
A 314A	2	SHLD A314	25N		E36-B	38N	155
A 314L		J22-E•	22N	158	K44-16	31Y 48	233
A 314R		J22-D•	22N	158	K44-13	31Y 48	233
A 315	10		330 300 50 64 56 5			250 220 52 7A	

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER

2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AB | SHEET 49 OF 150

GNW WIRING HARNESS A AP 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO
A 315A	2	SHLD A315	25N			E36-B	38N		155
A 315L		J22-G*	22N		158	K59- 4	31Y	48	249
A 315R		J22-F*	22N		158	K59- 7	31Y	48	249
A 316	10		180 150 50 64 56 5				250 220 52	7A	
A 316A	2	SHLD A316	25N			E36-B	38N		155
A 316L		J22-I*	22N		158	K60-10	31Y	48	250
A 316R		J22-H*	22N		158	K60-13	31Y	48	250
A 317	14		230 200 50 65 57 5				250 220 52	7A	
A 317A	2	SHLD A317	25N			E37-B	38N		156
A 317L		J22-M*	22N		158	K43- 4	31Y	49	222
A 317R		J22-J*	22N		158	K43-10	31Y	49	222
A 317Y		J22-K*	22N		158	K43- 7	31Y	48	222
A 318	10		280 250 50 64 56 5				250 220 52	7A	
A 318A	2	SHLD A318	25N			E37-B	38N		156
A 318L		J22-P*	22N		158	K63-16	31Y	48	253
A 318R		J22-N*	22N		158	K63-19	31Y	48	253
A 319	10		330 300 50 64 56 5				250 220 52	7A	
A 319A	2	SHLD A319	25N			E37-B	38N		156

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AR | SHEET 50 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO
A 319L		J22-R*	22N		158	K63-10	31Y	48	253
A 319R		J22-Q*	22N		158	K63-13	31Y	48	253
A 320	10		180 150 50 64 56 5				250 220 52	7A	
A 320A	2	SHLD A320	25N			E37-B	38N		156
A 320L		J22-T*	22N		158	K49- 7	31Y	48	228
A 320R		J22-S*	22N		158	K49- 4	31Y	48	228
A 321	10		290 200 50 64 56 5				250 220 52	7A	
A 321A	2	SHLD A321	25N			E37-B	38N		156
A 321L		J22-V*	22N		158	K49-13	31Y	48	228
A 321R		J22-U*	22N		158	K49-10	31Y	48	228
A 322	1	J22-Y*	22N		158	TB11-13F	19N	42	37
A 323	10		280 250 50 64 56 5				250 220 52	7A	
A 323A	2	SHLD A323	25N			E37-B	38N		156
A 323L		J22-Z*	22N		158	K67-16	31Y	48	257
A 323R		J22-X*	22N		158	K67-19	31Y	48	257
A 324	10		330 300 50 64 56 5				250 220 52	7A	
A 324A	2	SHLD A324	25N			E38-B	38N		157
A 324		J22-BB	22N		158	K53- 7	31Y	48	232

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AR | SHEET 51 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO
A 324R		J22-AA	22N		158	K53- 4	31Y	48	232
A 325	10		180 150 50 64 56 5				250 220 52	7A	
A 325A	2	SHLD A325	25N			E38-B	38N		157
A 325L		J22-DD	22N		158	K53-13	31Y	48	232
A 325R		J22-CC	22N		158	K53-10	31Y	48	232
A 326	10		230 200 50 64 56 5				250 220 52	7A	
A 326A	2	SHLD A326	25N			E38-B	38N		157
A 326L		J22-FF	22N		158	K38-13	31Y		217
A 326R		J22-EE	22N		158	K38-10	31Y		217
A 327	10		280 250 50 64 56 5				250 220 52	7A	
A 327A	2	SHLD A327	25N			E38-B	38N		157
A 327L		J22-HH	22N		158	TB13- 8B	19N	42	266
A 327R		J22-GG	22N		158	TB13- 7B	19N	42	266
A 328	10		330 300 50 64 56 5				250 220 52	7A	
A 328A	2	SHLD A328	25N			E38-B	38N		157
A 328L		J22-KK	22N		158	K38- 7	31Y		217
A 328R		J22-JJ	22N		158	K38- 4	31Y		217
A 329	10		180 150 50 64 56 5				250 220 52	7A	

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 52 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO
A 329A	2	SHLD A329	25N			E38-B	38N		157
A 329L		J22-MM	22N		158	K54-13	31Y		241
A 329R		J22-LL	22N		158	K54-10	31Y		241
A 330	10		230 200 50 64 56 5				250 220 52	7A	
A 330A	2	SHLD A330	25N			E38-B	38N		157
A 330L		J22-PP	22N		158	K54- 7	31Y		241
A 330R		J22-NN	22N		158	K54- 4	31Y		241
A 331	12		180 150 90 67 59 5				250 220 51	7A	
A 331A	2	SHLD A331	25N			E89-B	38N		162
A 331L		J23-B	22N		165	TB13-14D	19N	43	266
A 331R		J23-A	22N		165	TB13-13D	19N	43	266
A 332	1	J23-C	22N		165	E89-B	38N		162
A 333	1	J38-AA	22N		293	TB13-12D	19N	42	266
A 334	14		290 200 50 65 57 5				250 220 52	7A	
A 334A	2	SHLD A334	25N			E89-B	38N		162
A 334L		J23-F	22N		165	TB6-13C	19N	42	38
A 334R		J23-E	22N		165	TR6-14C	19N	42	38
A 334Y		J23-G	22N		165	TR6-12C	19N	42	38

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 53 OF 150

GNW

WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO
A 335	3	U23-H	22N		165	E89-R	38N		162
A 336	12		280 250 90 67 59 5				250 220 51	7A	
A 336A	2	SHLD A336	25N			E89-B	38N		162
A 336L		U23-K	22N		165	TB13-18R	19N	43	266
A 336R		U23-J	22N		165	TB13-17R	19N	43	266
A 337	10		330 300 90 64 56 5				250 220 52	7A	
A 337A	2	SHLD A337	25N			E89-R	38N		162
A 337L		U23-P	22N		165	U41-M*	22N		280
A 337R		U23-N	22N		165	U41-K*	22N		280
A 338	3	U23-R	22N		165	E89-B			162
A 339	14		180 150 90 65 57 5				250 220 52	7A	
A 339A	2	SHLD A339	25N			E90-R	38N		163
A 339L		U23-T	22N		165	U41-T	22N		280
A 339R		U23-S	22N		165	U41-U	22N		280
A 339Y		U23-U	22N		165	U41-S	22N		280
A 340	10		230 200 50 64 56 5				250 220 52	7A	
A 340A	2	SHLD A340	25N			E90-R	38N		163
A 340L		U23-W	22N		165	U35-V	22N		300

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AB | SHEET 54 OF 150

WIRING HARNESS A AB 1900712

CONDUCTOR INDIV DUAL LENGTH NUMBER	ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINAT ON SPEC	FROM ITEM NO	FROM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO
A 340R		U23-V	22N		165	U35-U	22N		300
A 341	10		280 250 50 64 56 5				250 220 52	7A	
A 341A	2	SHLD A341	25N			E90-R	38N		163
A 341L		U23-Y	22N		165	U35-X	22N		300
A 341R		U23-X	22N		165	U35-W	22N		300
A 342	16		330 300 90 68 60 5				250 220 51	7A	
A 342A	2	SHLD A342	25N			E90-S	38N		163
A 342L		U23-C*	22N		165	TB6-10C	19N	43	38
A 342R		U23-B*	22N		165	TB6-11C	19N	43	38
A 342Y		U23-D*	22N		165	TB6- 9C	19N	43	38
A 343	11		180 150 51 87 88 5				250 220 51	7A	
A 343A	2	SHLD A343	25N			E90-B	38N		163
A 343L		U23-F*	22N		165	U41-W	22N		280
A 343R		U23-E*	22N		165	U41-V	22N		280
A 344	14		230 200 50 65 57 5				250 220 52	7A	
A 344A	2	SHLD A344	25N			E90-R	38N		163
A 344L		U23-I*	22N		165	U41-X	22N		280
A 344R		U23-G*	22N		165	U41-Y	22N		280

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AB | SHEET 55 OF 150

| CONDUCTOR INDIVIDUAL LENGTH NUMBER | ITEM NO. | FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT | | TERMINATION SPEC ITEM NO. | | |

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO
A 349Y		J24-C	22N		173	J35-F	22N		300
A 350	9		280 250 52 63 55 5		1		200 170 53		7A
A 350A	2	SHLD A350	25N			E41-R	38N		170
A 350W		J24-D	22N		173	J44-V	22N		274
A 351	14		330 300 50 65 57 5				250 220 52		7A
A 351A	2	SHLD A351	25N			E41-B	38N		170
A 351L		J24-G	22N		173	J35-V*	22N		300
A 351R		J24-F	22N		173	J35-W*	22N		300
A 351Y		J24-H	22N		173	J35-X*	22N		300
A 352	10		180 150 50 64 56 5				250 220 52		7A
A 352A	2	SHLD A352	25N			E41-B	38N		170
A 352L		J24-K	22N		173	TB13-20R	19N	42	266
A 352R		J24-J	22N		173	TB13-19B	19N	42	266
A 353	10		180 150 50 64 56 5				250 220 52		7A
A 353A	2	SHLD A353	25N			E93-B	38N		172
A 353L		J24-M	22N		173	TB6- 5B	19N	42	38
A 353R		J24-L	22N		173	TB6- 2B	19N	42	38
A 355	9	J24-R	22N		173	E84-B	N		150

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	1900712
SCALE - NONE	REV LTR AB	SHEET 57 OF 150

CONDUCTOR INDIVIDUAL MEMBER NUMBER	LEAD NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.
A 355		DELETED							
A 356	5	J24-S	22N		173	E93-B	38N		172
A 357	3	J24-T	22N		173	E93-B	38N		172
A 358	3	J24-U	22N		173	E93-B	38N		172
A 359	10		250 200 50 64 56 5				250 220 52	7A	
A 359A	2	SHLD A359	25N			E93-B	38N		172
A 359L		J24-Y	22N		173	J42-DD	22N		279
A 359R		J24-Z	22N		173	J42-CC	22N		279
A 360	10		280 290 50 64 56 5				250 220 52	7A	
A 360A	2	SHLD A360	25N			E41-B	38N		170
A 360L		J24-B*	22N		173	J42-BB	22N		279
A 360R		J24-A*	22N		173	J42-AA	22N		279
A 361	10		350 300 50 64 56 5				250 220 52	7A	
A 361A	2	SHLD A361	25N			E41-B	38N		170
A 361L		J24-D*	22N		173	J41-Z*	22N		280
A 361R		J24-C*	22N		173	J41-Y*	22N		280
A 362	10		180 150 50 64 56 5				250 220 52	7A	
A 362A	2	SHLD A362	25N			E41-B	38N		170

△ THE STD CONDUCTOR TERMINATION FIGURES ARE PER

△ DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS

SIZE A

1900712

SCALE - NONE REV LTR AC

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO
A 362R		J24-E*	22N			175	TB7- 6A	19N	42		33
A 363	10		250	200 50 64 56 5				250	220 52	7A	
A 363A	2	SHLD A363	25N				E41-B	38N			170
A 363L		J24-G*	22N			175	TB17-17A	19N	42		261
A 363R		J24-H*	22N			175	TB17-18A	19N	42		261
A 364	11		280	250 51 87 86 5				250	220 51	7A	
A 364A	2	SHLD A364	25N				E41-B	38N			170
A 364L		J24-M*	22N			175	J41-CC	22N			280
A 364R		J24-K*	22N			175	J41-BB	22N			280
A 365	10		330	300 50 64 58 5				250	220 52	7A	
A 365A	2	SHLD A365	25N				E41-B	38N			170
A 365L		J24-P*	22N			175	J42-MM	22N			279
A 365R		J24-N*	22N			175	J42-GG	22N			279
A 366	10		180	150 50 64 56 5				250	220 52	7A	
A 366A	2	SHLD A366	25N				E42-B	38N			171
A 366L		J24-R*	22N			175	J42-EE	22N			279
A 366R		J24-Q*	22N			175	J42-FF	22N			279
A 368	11		250	200 51 87 86 5				250	220 51	7A	

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 59 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO
A 368A	2	SHLD A368	25N				E42-B	38N			171
A 368L		J24-V*	22N			175	J41-EE	22N			280
A 368R		J24-U*	22N			175	J41-DD	22N			280
A 369	10		280	250 50 64 56 5				250	220 52	7A	
A 369A	2	SHLD A369	25N				E42-B	38N			171
A 369L		J24-X*	22N			175	TB13- 5B	19N	42		266
A 369R		J24-W*	22N			175	TB13- 4B	19N	42		266
A 370	10		330	300 50 64 56 5				250	220 52	7A	
A 370A	2	SHLD A370	25N				E42-B	38N			171
A 370L		J24-Y*	22N			175	TB7- 3A	19N	42		33
A 370R		J24-Z*	22N			175	TB7- 4A	19N	42		33
A 371	10		180	150 50 64 56 5				250	220 52	7A	
A 371A	2	SHLD A371	25N				E42-B	38N			171
A 371L		J24-MM	22N			175	J41-FF	22N			280
A 371R		J24-SS	22N			175	J41-GG	22N			280
A 372	10		230	200 50 64 56 5				250	220 52	7A	
A 372A	2	SHLD A372	25N				E42-B	38N			171
A 372L		J24-DD	22N			175	TB13-18C	19N	42		266

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 60 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO
A 372R		J24-CC	22N			175	TB13-17C	19N	42		266
A 373	7		230	200 52 53 54 5				250	220 53	7A	
A 373A	2	SHLD A373	25N				E93-B	38N			172
A 373W		J24-AA	22N			175	J41-HH	22N			280
A 375	14		930	900 57 65 50 5				250	220 52	7A	
A 375A	2	SHLD A375	25N				E42-B	38N			171
A 375L		J24-NN	22N			175	J35-FF	22N			300
A 375R		J24-MM	22N			175	J35-EE	22N			300
A 375Y		J24-PP	22N			175	J35-GG	22N			300
A 376	3	J25-B	22N			154	E43-B	22N			152
A 377	7		280	250 52 63 54 5				280	250 53	7A	
A 377A	2	SHLD A377	25N				E44-B	38N			153
A 377W		J25-D	22N			154	J44-F*	22N			274
A 378	7		280	250 52 63 54 5				280	250 53	7A	
A 378A	2	SHLD A378	25N				E44-B	38N			153
A 378W		J25-E	22N			154	J44-G*	22N			274
A 379	7		230	200 52 63 54 5				230	200 53	7A	
A 379A	2	SHLD A379	25N				E44-B	38N			153

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 61 OF 150

GNW WIRING HARNESS A AP 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO
A 379W		J25-F	22N			154	J44-I*	22N			274
A 380	7		230	200 52 63 54 5				230	200 53	7A	
A 380A	2	SHLD A380	25N				E44-B	38N			153
A 380W		J25-G	22N			154	J44-K*	22N			274
A 381	3	J25-K	22N			154	K34-10	31Y	46		213
A 382	3	J25-L	22N			154	K34-12	31Y	46		213
A 383	12		180	150 90 67 59 5				250	220 51	7A	
A 383A	2	SHLD A383	25N				E43-B	38N			152
A 383L		J25-N	22N			154	K34- 5	31Y			213
A 383R		J25-M	22N			154	K34- 3	31Y			213
A 384	16		230	200 90 68 60 5				250	220 51	7A	
A 384A	2	SHLD A384	25N				E43-B	38N			152
A 384L		J25-S	22N			154	K37- 7	31Y			216
A 384R		J25-P	22N			154	K37-10	31Y			216
A 384Y		J25-R	22N			154	K37- 4	31Y			216
A 385	10		280	250 50 64 58 5				250	220 52	7A	
A 385A	2	SHLD A385	25N				E43-B	38N			152
A 385L		J25-U	22N			154	K35-12	31Y			214

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AP | SHEET 62 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM TERMINATION NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO TERMINATION NO
A 385R		J25-T	22N			154	K35-10	31Y			214
A 386	10		930 300 50 64 56 5					250 220 52		7A	
A 386A	2	SHLD A386	25N				E43-B	38N			152
A 386L		J25-W	22N			154	K35- 5	31Y			214
A 386R		J25-V	22N			154	K35- 3	31Y			214
A 387	14		180 150 50 65 57 5					250 220 52		7A	
A 387A	2	SHLD A387	25N				E43-B	38N			152
A 387L		J25-Z	22N			154	K33-10	31Y	47		212
A 387R		J25-X	22N			154	K33- 5	31Y	47		212
A 387Y		J25-Y	22N			154	K33- 3	31Y	47		212
A 388	12		230 200 50 67 59 5					250 220 51		7A	
A 388A	2	SHLD A388	25N				E43-B	38N			152
A 388L		J25-B*	22N			154	K21-10	31Y	47		180
A 388R		J25-A*	22N			154	K21-12	31Y	47		180
A 389	3	J25-C*	22N			154	K8- 5	31Y	47		39
A 390	3	J25-D*	22N			154	K8- 1	31Y	46		39
A 391	11		280 250 51 87 86 5					250 220 51		7A	
A 391A	2	SHLD A391	25N				E44-B	38N			153

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 63 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM TERMINATION NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO TERMINATION NO
A 391L		J25-F*	22N			154	K21- 2	31Y	92		180
A 391R		J25-E*	22N			154	K21- 6	31Y	92		180
A 392	1	J25-M*	22N			154	TR13-11D	19N	42		266
A 393	7		930 300 52 63 54 5					200 170 53		7A	
A 393A	2	SHLD A393	25N				E44-B	38N			153
A 393W		J25-N*	22N			154	J34-F	22N			901
A 394	15		180 150 51 66 86 5					250 220 51		7A	
A 394A	2	SHLD A394	25N				E44-B	38N			153
A 394L		J25-KK	22N			154	K47- 4	31Y	49		226
A 394R		J25-HH	22N			154	K47-10	31Y	49		276
A 394Y		J25-JJ	22N			154	K47- 7	31Y	48		226
A 395	15		230 200 51 66 86 5					250 220 51		7A	
A 395A	2	SHLD A395	25N				E44-B	38N			153
A 395L		J25-MM	22N			154	K51- 4	31Y	49		230
A 395R		J25-LL	22N			154	K51-10	31Y	49		230
A 395Y		J25-NN	22N			154	K51- 7	31Y	48		230
A 396	3	J25-PP	22N			154	K22- 7	31Y	48		202
A 397	5	J26-B	22N			159	E47-B	38N			161

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 64 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM TERMINATION NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO TERMINATION NO
A 398	14		180 150 50 65 57 6					250 220 50 65 57 6			
A 398A	2	SHLD A398	25N				J26-S	22N			159
A 398B	2	J33-C	22N			304	SHLD A398	25N			
A 398L		J26-H	22N			159	J33-W*	22N			304
A 398R		J26-G	22N			159	J33-V*	22N			304
A 398Y		J26-J	22N			159	J33-X*	22N			304
A 399	14		230 200 50 65 57 6					250 220 50 65 57 6			
A 399A	2	SHLD A399	25N				J26-A	22N			159
A 399B	2	J38-C	22N			293	SHLD A399	25N			
A 399L		J26-L	22N			159	J38-W*	22N			293
A 399R		J26-K	22N			159	J38-V*	22N			293
A 399Y		J26-M	22N			159	J38-X*	22N			293
A 400	14		280 250 50 65 57 6					250 220 50 65 57 6			
A 400A	2	SHLD A400	25N				J26-T	22N			159
A 400B	2	J32-C	22N			307	SHLD A400	25N			
A 400L		J26-P	22N			159	J32-W*	22N			307
A 400R		J26-N	22N			159	J32-V*	22N			307
A 400Y		J26-R	22N			159	J32-X*	22N			307

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 65 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM TERMINATION NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO TERMINATION NO
A 401	12		330 300 90 67 59 5					250 220 51		7A	
A 401A	2	SHLD A401	25N				E45-B	38N			161A
A 401L		J26-V	22N			159	TB7-10B	19N	43		33
A 401R		J26-U	22N			159	TB7- 9B	19N	49		33
A 402	7		180 150 52 63 54 5					200 170 53		7A	
A 402A	2	SHLD A402	25N				E45-B	38N			161A
A 402W		J26-W	22N			159	J44-J*	22N			274
A 403	10		230 200 50 64 56 5					250 220 52		7A	
A 403A	2	SHLD A403	25N				E47-B	38N			161
A 403L		J26-Z	22N			159	K24- 3	31Y	48		204
A 403R		J26-Y	22N			159	K24- 4	31Y	49		204
A 404	11		280 250 51 87 86 5					250 220 51		7A	
A 404A	2	SHLD A404	25N				E45-B	38N			161A
A 404L		J26-C*	22N			159	K23- 3	31Y	48		203
A 404R		J26-B*	22N			159	K23- 4	31Y	49		203
A 405	11		330 300 51 87 86 5					250 220 51		7A	
A 405A	2	SHLD A405	25N				E45-B	38N			161A
A 405L		J26-E*	22N			159	TR13- 8C	19N	42		266

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 66 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO
A 405R		J26-D*	22N			159	TB13- 7C	19N	42		266
A 406	11		180 150 51 87 86 5					250 220 51		7A	
A 406A	2	SHLD A406	25N				E45-B	38N			161A
A 406L		J26-G*	22N			159	K39- 3	31Y	48		21A
A 406R		J26-F*	22N			159	K39- 4	31Y	49		218
A 407	10		230 200 50 64 56 5					250 220 52		7A	
A 407A	2	SHLD A407	25N				E46-B	38N			160
A 407L		J26-I*	22N			159	K54-14	31Y	48		241
A 407R		J26-H*	22N			159	K54-11	31Y	48		241
A 408	10		280 250 50 64 56 5					250 220 52		7A	
A 408A	2	SHLD A408	25N				E46-B	38N			160
A 408L		J26-K*	22N			159	K55- 7	31Y	48		242
A 408R		J26-J*	22N			159	K55- 4	31Y	48		242
A 409	10		330 300 50 64 56 5					250 220 52		7A	
A 409A	2	SHLD A409	25N				E46-B	38N			160
A 409L		J26-R*	22N			159	K60- 4	31Y	49		250
A 409R		J26-M*	22N			159	K60- 7	31Y	49		250
A 410	10		180 150 50 64 56 5					250 220 52		7A	

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 67 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO
A 410A	2	SHLD A410	25N				E46-B	38N			160
A 410L		J26-Q*	22N			159	K43-13	31Y	49		222
A 410R		J26-P*	22N			159	K43-16	31Y	49		222
A 411	14		230 200 50 65 57					250 220 52		7A	
A 411A	2	SHLD A411	25N				E46-B	38N			160
A 411L		J26-S*	22N			159	K42- 7	31Y	49		221
A 411R		J26-R*	22N			159	K42-10	31Y	49		221
A 411Y		J26-T*	22N			159	K42- 4	31Y	49		221
A 412	10		280 250 50 64 56 5					280 220 52		7A	
A 412A	2	SHLD A412	25N				E46-B	38N			160
A 412L		J26-V*	22N			159	K64- 4	31Y	49		254
A 412R		J26-U*	22N			159	K64- 7	31Y	49		254
A 413	10		330 300 50 64 56 5					250 220 52		7A	
A 413A	2	SHLD A413	25N				E46-B	38N			160
A 413L		J26-X*	22N			159	K47-13	31Y	49		226
A 413R		J26-W*	22N			159	K47-16	31Y	49		226
A 414	10		180 150 50 64 56 5					250 220 52		7A	
A 414A	2	SHLD A414	25N				E47-B	38N			161

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 68 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO
A 414L		J26-Z*	22N			159	K46-13	31Y	49		225
A 414R		J26-Y*	22N			159	K46-16	31Y	49		225
A 415	14		230 200 50 65 57 5					250 220 52		7A	
A 415A	2	SHLD A415	25N				E47-B	38N			161
A 415L		J26-CC	22N			159	K46- 7	31Y	49		225
A 415R		J26-BB	22N			159	K46-10	31Y	49		225
A 415Y		J26-DD	22N			159	K46- 4	31Y	49		225
A 416	10		280 250 50 64 56 5					250 220 52		7A	
A 416A	2	SHLD A416	25N				E47-B	38N			161
A 416L		J26-FF	22N			159	K68- 4	31Y	49		258
A 416R		J26-EE	22N			159	K68- 7	31Y	49		258
A 417	10		330 300 50 64 56 5					250 220 52		7A	
A 417A	2	SHLD A417	25N				E47-B	38N			161
A 417L		J26-HH	22N			159	K50-13	31Y	49		229
A 417R		J26-GG	22N			159	K50-16	31Y	49		229
A 418	10		180 150 50 64 56 5					250 220 52		7A	
A 418A	2	SHLD A418	25N				E47-B	38N			161
A 418L		J26-KK	22N			159	K51-13	31Y	49		230

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AR | SHEET 69 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO
A 418R		J26-JJ	22N			159	K51-16	31Y	49		230
A 419	14		230 200 50 65 57 5					250 220 52		7A	
A 419A	2	SHLD A419	25N				E47-B	38N			161
A 419L		J26-MM	22N			159	K50- 7	31Y	49		229
A 419R		J26-LL	22N			159	K50-10	31Y	49		229
A 419Y		J26-NN	22N			159	K50- 4	31Y	49		229
A 420	3	J27-B	22N			168	E48-B	38N			167
A 421	3	J27-M	22N			168	J38-A*	22N			293
A 422	3	J27-N	22N			168	J33-A*	22N			304
A 423	3	J27-P	22N			168	J37-Z	22N			307
A 424	1	J27-S	22N			168	TB17- 9A	19N	42		261
A 425	15		180 150 51 66 86 5					250 220 51		7A	
A 425A	2	SHLD A425	25N				E48-B	38N			167
A 425L		J27-V	22N			168	K36- 8	31Y	47		215
A 425R		J27-T	22N			168	K36- 1	31Y	47		215
A 425Y		J27-U	22N			168	K36- 7	31Y	47		215
A 426	1	J27-Y	22N			168	TB7-11C	19N	42		33
A 427	1	J27-Z	22N			168	TB13- 3B	19N	42		266

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 70 OF 150

GRN

WIRING HARNESS A AR 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO	FROM CUT WIRE OR SHLD STRIP WIRE OR JACKET CIRCUIT POINT	1	2	3	4	5	TERMINATION SPEC	ITEM NO	NO	TO CUT WIRE OR SHLD STRIP WIRE OR JACKET CIRCUIT POINT	1	2	3	4	5	TERMINATION SPEC	ITEM NO	NO
A 428	10		230	200	50	64	56	5				250	220	52			7A		
A 428A	2	SHLD A428	25N								E48-B	38N							167
A 428L		J27-B*	22N							168	K21- 3	31Y							180
A 428R		J27-A*	22N							168	K21- 5	31Y							180
A 429	14		280	250	50	65	57	5				250	220	52			7A		
A 429A	2	SHLD A429	25N								E48-B	38N							167
A 429L		J27-E*	22N							168	K33- 8	31Y		47					212
A 429R		J27-C*	22N							168	K33- 7	31Y		47					212
A 429Y		J27-D*	22N							168	K33- 1	31Y		47					212
A 430	10		330	300	50	64	56	5				250	220	52			7A		
A 430A	2	SHLD A430	25N								E48-B	38N							167
A 430L		J27-G*	22N							168	K35- 7	31Y		46					214
A 430R		J27-F*	22N							168	K35- 1	31Y		46					214
A 431	10		180	150	50	64	56	5				250	220	52			7A		
A 431A	2	SHLD A431	25N								E48-B	38N							167
A 431L		J27-I*	22N							168	TB11- 6D	19N		42					37
A 431R		J27-H*	22N							168	TB11- 4D	19N		42					37
A 432	3	J27-J*	22N							168	E87-B	38N							263

1/ THE STD CONDUCTOR TERMINATION FIGURES ARE PER

2/ DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712

SCALE NONE | REV LTR AR | SHEET 71 OF 150

WIRING HARNESS A AR 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO	FROM CUT WIRE OR SHLD STRIP WIRE OR JACKET CIRCUIT POINT	1	2	3	4	5	TERMINATION SPEC	ITEM NO	NO	TO CUT WIRE OR SHLD STRIP WIRE OR JACKET CIRCUIT POINT	1	2	3	4	5	TERMINATION SPEC	ITEM NO	NO
A 433	5	J27-M*	22N							168	K34- 8	31Y		47					213
A 434	5	J27-N*	22N							168	K34-14	31Y		47					213
A 435	8	J27-P*	22N							168	J8-W*	22N							25
A 436	7		280	250	52	63	54	5				230	200	53			7A		
A 436A	2	SHLD A436	25N								E48-B	38N							167
A 436W		J27-Q*	22N							168	J33-I*	22N							304
A 437	7		280	250	52	63	54	5				230	200	53			7A		
A 437A	2	SHLD A437	25N								E48-B	38N							167
A 437W		J27-R*	22N							168	J38-I*	22N							293
A 438	7		250	220	52	63	54	5				230	200	53			7A		
A 438A	2	SHLD A438	25N								E48-B	38N							167
A 438W		J27-S*	22N							168	J32-I*	22N							307
A 439	7		250	220	52	63	54	5				230	200	53			7A		
A 439A	2	SHLD A439	25N								E48-B	38N							167
A 439W		J27-T*	22N							168	J32-A*	22N							307
A 440	1	J27-AA	22N							168	TB13- 6R	19N		42					266
A 441	1	J27-BB	22N							168	TB11- 1B	19N		42					37
A 442	1	J27-CC	22N							168	U45-P*	22N							268

1/ THE STD CONDUCTOR TERMINATION FIGURES ARE PER

2/ DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712

SCALE NONE | REV LTR AR | SHEET 72 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT		TERMINATION SPEC. ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT		TERMINATION SPEC. ITEM NO.	NO.
A 442	1	J27-CC	22N		168	J45-P*	22N		268
A 443	1	J27-DD	22N		168	J45-Q*	22N		268
A 444	1	J27-EE	22N		168	J45-R*	22N		268
A 448	1	J27-KK	22N		168	J39-CC	22N		291
A 449	10		250	200 50 64 56 5			250	220 52 7A	
A 449R	2	SHLD A449	25N			E48-B	38N		167
A 449L		J27-NN	22N		168	K42-13	31Y	49	221
A 449M		J27-MM	22N		168	K42-16	31Y	49	221
A 450	3	J27-PP	22N		168	K22- 8	31Y	47	202
A 451	5	J30-A	41Y	46	314	T83- 9	19N	40	69
A 452	5	J30-B	41Y	46	314	T83-10	19W	40	68
A 453	5	J30-C	41Y	46	314	T83- 3	19N	40	76
A 454	5	J30-D	41Y	46	314	T83- 2	19N	40	77
A 455	6	J30-E	41Y	46	314	T814- 4	31N	41	265
A 456	3	DELETED							
A 457	3	J31-B	22N		311	E50-B	38N		312
A 458	3	DELETED							
A 459	10		100	150 50 64 56 5			250	220 52 7A	

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER

2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

CONDUCTOR NUMBER	ITEM NO.	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.
A 459L			J31-Z	22N			311	TB13-16B	19N	42		266
A 459R			J31-Y	22N			311	TB13-15B	19N	42		266
A 460	10			230 200 50 64 56 5					250 220 52		7A	
A 460A	2		SHLD A460	25N				E50-B	38N			312
A 460L			J31-C*	22N			311	TB13-16E	19N	42		266
A 460R			J31-B*	22N			311	TB13-15E	19N	42		266
A 461	10			280 250 50 64 56 5					250 220 52		7A	
A 461A	2		SHLD A461	25N				E50-B	38N			312
A 461L			J31-F*	22N			311	TB17-17B	19N	42		261
A 461R			J31-E*	22N			311	TB17-18B	19N	42		261
A 462	10			330 300 50 64 56 5					250 220 52		7A	
A 462A	2		SHLD A462	25N				E50-B	38N			312
A 462L			J31-H*	22N			311	TB7- 6B	19N	42		33
A 462R			J31-G*	22N			311	TB7- 5B	19N	42		33
A 463	10			180 150 50 64 56 5					250 220 52		7A	
A 463A	2		SHLD A463	25N				E50-B	38N			312
A 463L			J31-J*	22N			311	TB17-14A	19N	42		261
A 463R			J31-I*	22N			311	TB17-13A	19N	42		261

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AR | SHEET 74 OF 150

CONDUCTOR NUMBER	ITEM NO.	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.
A 464	10			230 200 50 64 56 5					250 220 52		7A	
A 464A	2		SHLD A464	25N				E50-B	38N			312
A 464L			J31-N*	22N			311	J41-R*	22N			280
A 464R			J31-M*	22N			311	J41-Q*	22N			280
A 465	10			280 250 50 64 56 5					250 220 52		7A	
A 465A	2		SHLD A465	25N				E50-B	38N			312
A 465L			J31-Q*	22N			311	J41-T*	22N			280
A 465R			J31-P*	22N			311	J41-S*	22N			280
A 466	10			330 300 50 64 56 5					250 220 52		7A	
A 466A	2		SHLD A466	25N				E50-B	38N			312
A 466L			J31-S*	22N			311	J36-BB	22N			298
A 466R			J31-R*	22N			311	J36-AA	22N			298
A 468	7			180 150 52 63 54 5					200 170 53		7A	
A 468A	2		SHLD A468	25N				E50-B	38N			312
A 468W			J31-T*	22N			311	J36-CC	22N			298
A 469	10			250 200 50 64 56 5					280 220 52		7A	
A 469A	2		SHLD A469	25N				E51-B	38N			313
A 469L			J31-V*	22N			311	J42-X*	22N			279

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AR | SHEET 75 OF 150

CONDUCTOR NUMBER	ITEM NO.	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.
A 469R			J31-U*	22N			311	J42-W*	22N			279
A 470	10			280 250 50 64 56 5					250 220 52		7A	
A 470A	2		SHLD A470	25N				E51-B	38N			313
A 470L			J31-X*	22N			311	J42-Z*				279
A 470R			J31-W*	22N			311	J42-Y*				279
A 471	14			330 300 50 65 57 6					250 220 50 65 57 6			
A 471A	2		SHLD A471	25N				J31-C	22N			311
A 471B	2		J36-X	22N			298	SHLD A471	25N			
A 471L			J31-Z*	22N			311	J36-EE	22N			298
A 471R			J31-Y*	22N			311	J36-DD	22N			298
A 471Y			J31-AA	22N			311	J36-FF	22N			298
A 472	10			180 150 50 64 56 5					250 220 52		7A	
A 472A	2		SHLD A472	25N				E51-B	38N			313
A 472L			J31-DD	22N			311	TB17-16C	19N	42		261
A 472R			J31-CC	22N			311	TB17-15C	19N	42		261
A 473	7			230 200 52 63 54 5					200 170 53		7A	
A 473A	2		SHLD A473	25N				E51-B	38N			313
A 473W			J31-EE	22N			311	K27- 3	31Y			206

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AR | SHEET 76 OF 150

CONDUCTOR INDIVIDUAL MINORS NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.
A 473W		J31-EE	22N		311	K27- 9	31N		206
A 474	1	J31-PP	22N		311	TB15-14B	19N	42	266
A 476	10		330	300 50 64 56 5			250	220 52	7N JA
A 476A	2	SHLD A476	25N			E51-8	38N		313
A 476L		J31-MM	22N		311	J36-HH	22N		298
A 476M		J31-NN	22N		311	J36-GG	22N		298
A 477	14		190	150 50 65 57 5			250	220 52	7N
A 477A	2	SHLD A477	25N			E51-8	38N		313
A 477L		J31-LL	22N		311	J35-NN	22N		300
A 477M		J31-LK	22N		311	J35-NN	22N		300
A 477N		J31-MM	22N		311	J35-PP	22N		300
A 478	11		230	200 51 87 86 5			250	220 51	7A
A 478A	2	SHLD A478	25N			E51-8	38N		313
A 478L		J31-PP	22N		311	TB6- 9E	19N	42	38
A 478M		J31-MM	22N		311	TB6- 2E	19N	42	38
A 479		DELETED							
A 480	3	J32-8	22N		307	E52-8	38N		308
A 481		DELETED							

△ THIS STD CONDUCTOR TERMINATION FIGURES ARE PER

△ DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AC | SHEET 77 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO.
A 483	10		180 150 50 64 56 5					250 220 52		7A	
A 483A	2	SHLD A483	25N				E52-B	38N			308
A 483L		J32-D*	22N			307	TB11- 5A	19N	42		37
A 483R		J32-C*	22N			307	TB11- 4A	19N	42		37
A 484	10		230 200 50 64 56 5					250 220 52		7A	
A 484A	2	SHLD A484	25N				E57-B	38N			308
A 484L		J32-F*	22N			307	K51-14	31Y			230
A 484R		J32-E*	22N			307	K51-17	31Y			230
A 485	10		280 250 50 64 56 5					250 220 52		7A	
A 485A	2	SHLD A485	25N				E52-B	38N			308
A 485L		J32-H*	22N			307	TB17- 6C	19N	42		261
A 485R		J32-G*	22N			307	TB17- 5C	19N	42		261
A 486	10		330 300 50 64 56 5					250 220 52		7A	
A 486A	2	SHLD A486	25N				E52-R	38N			308
A 486L		J32-K*	22N			307	K66-10	31Y	49		256
A 486R		J32-J*	22N			307	K66-13	31Y	49		256
A 487	10		180 150 50 64 56 5					250 220 52		7A	
A 487A	2	SHLD A487	25N				E52-B	38N			308

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 78 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO.
A 487L		J32-N*	22N			307	K66- 4	31Y		49	256
A 487R		J32-M*	22N			307	K66- 7	31Y		49	256
A 488	10		230 200 50 64 56 5					250 220 52		7A	
A 488A	2	SHLD A488	25N				E52-B	38N			308
A 488L		J32-O*	22N			307	K68- 5	31Y		49	258
A 488R		J32-P*	22N			307	K68- 8	31Y		49	258
A 489	10		280 250 50 64 56 5					250 220 52		7A	
A 489A	2	SHLD A489	25N				E52-B	38N			308
A 489L		J32-S*	22N			307	K65-10	31Y		49	255
A 489R		J32-R*	22N			307	K65-13	31Y		49	255
A 490	10		330 300 50 64 56 5					250 220 52		7A	
A 490A	2	SHLD A490	25N				E53-B	38N			309
A 490L		J32-U*	22N			307	K65- 4	31Y		49	255
A 490R		J32-T*	22N			307	K65- 7	31Y		49	254
A 491	10		180 150 50 64 56 5					250 220 52		7A	
A 491A	2	SHLD A491	25N				E53-B	38N			309
A 491L		J32-Z*	22N			307	TB17-20A	19N	42		261
A 491R		J32-Y*	22N			307	TB17-19B	19N	42		261

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 79 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO.
A 492	10		280 250 50 64 56 5					280 250 52		7A	
A 492A	2	SHLD A492	25N				E53-R	38N			309
A 492L		J32-CC	22N			307	TR13- 2B	19N	42		266
A 492R		J32-BB	22N			307	TR13- 1B	19N	42		266
A 494	1	J32-DD	22N			307	TB13-11C	19N	42		266
A 495	14		230 200 50 65 57 5					250 220 52		7A	
A 495A	2	SHLD A495	25N				E53-B	38N			309
A 495L		J32-EE	22N			307	K50- 8	31Y			229
A 495R		J32-GG	22N			307	K50-11	31Y			229
A 495Y		J32-FF	22N			307	K50- 5	31Y	49		229
A 496	14		180 150 50 65 57 5					250 220 52		7A	
A 496A	2	SHLD A496	25N				E53-B	38N			309
A 496L		J32-HH	22N			307	K51- 5	31Y	49		230
A 496R		J32-JJ	22N			307	K51-11	31Y	49		230
A 496Y		J32-KK	22N			307	K51- 7	31Y			230
A 497	11		230 200 51 87 88 5					250 220 51		7A	
A 497A	2	SHLD A497	25N				E53-B	38N			309
A 497L		J32-MM	22N			307	TB6- 4C	19N	42		98

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 80 OF 150

WIRING HARNESS A — AC — 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.		FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT			TERMINATION SPEC							ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT			TERMINATION SPEC							FROM NO.	NO.
A 497L			J32-MM			22N								307	TB6- 4C			19N			42					38
A 497R			J32-LL			22N								307	TB6- 1C			19N			42					38
A 498						280	250	52	63	54	5							200	170	53				7A		
A 498A	2		SHLD A498			25N									E53-B			38N								304
A 498M			J32-NN			22N								307	TB11- 2C			19N			42					37
A 499	7					330	300	52	63	54	5							200	170	53				7A		
A 499A	2		SHLD A499			25N									E53-B			38N								305
A 499M			J32-PP			22N								307	TB11- 2B			19N			42					37
A 500			DELETED																							
A 501	3		J33-B			22N								304	E54-B			38N								305
A 502			DELETED																							
A 503	1		J33-BB			22N								304	TB13-10B			19N			42					266
A 504	10					180	150	50	64	56	5							250	220	52				7A		
A 504A	2		SHLD A504			25N									E54-B			38N								305
A 504L			J33-DD			22N								304	TB11- 5B			19N			42					37
A 504R			J33-CC			22N								304	TB11- 4B			19N			42					37
A 505	10					290	200	50	64	56	5							250	220	52				7A		
A 505A	2		SHLD A505			25N									E54-B			38N								305

△ THE STD CONDUCTOR TERMINATION FIGURES ARE PER
△ DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS

SIZE A — 1900712

SCALE-NONE — REV LTR AC — SHEET 81 OF 190

GNW WIRING HARNESS A AR 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO
A 505R		J33-E*	22N			304	K46-17	31Y			225
A 506	10		280 250 50 64 56 5					250 220 52		7A	
A 506A	2	SHLD A506	25N				E54-B	38N			305
A 506L		J33-H*	22N			304	TB17- 4A	19N	42		261
A 506R		J33-G*	22N			304	TB17- 3A	19N	42		261
A 507	10		330 300 50 64 56 5					250 220 52		7A	
A 507A	2	SHLD A507	25N				E54-B	38N			305
A 507L		J33-K*	22N			304	K62-10	31Y	49		252
A 507R		J33-J*	22N			304	K62-13	31Y	49		252
A 508	10		180 150 50 64 56 5					250 220 52		7A	
A 508A	2	SHLD A508	25N				E54-B	38N			305
A 508L		J33-N*	22N			304	K62- 4	31Y	49		252
A 508R		J33-M*	22N			304	K62- 7	31Y	49		252
A 509	10		230 200 50 64 56 5					250 220 52		7A	
A 509A	2	SHLD A509	25N				E54-B	38N			305
A 509L		J33-Q*	22N			304	K64- 5	31Y	49		254
A 509R		J33-P*	22N			304	K64- 8	31Y	49		254
A 510	10		280 250 50 64 56 5					250 220 52		7A	

THE STD CONDUCTOR TERMINATION FIGURES ARE PER

DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AB | SHEET 82 OF 150

GNW WIRING HARNESS A AB - 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO
A 510A	2	SHLD A510	25N				E54-B	38N			305
A 510L		J33-S*	22N			304	K61-10	31Y	49		251
A 510R		J33-R*	22N			304	K61-13	31Y	49		251
A 511	10		330 300 50 64 56 5					250 220 52		7A	
A 511A	2	SHLD A511	25N				E54-B	38N			305
A 511L		J33-U*	22N			304	K61- 4	31Y	49		251
A 511R		J33-T*	22N			304	K61- 7	31Y	49		251
A 512	10		180 150 50 64 56 5					250 220 52		7A	
A 512A	2	SHLD A512	25N				E55-B	38N			306
A 512L		J33-Z*	22N			304	TB17-20C	19N	42		261
A 512R		J33-Y*	22N			304	TB17-19C	19N	42		261
A 513	10		280 250 50 64 56 5					280 250 52		7A	
A 513A	2	SHLD A513	25N				E54-B	38N			305
A 513L		J33-CC	22N			304	TB13- 2C	19N	42		266
A 513R		J33-BB	22N			304	TB13- 1C	19N	42		266
A 515	1	J33-DD	22N			304	TB13-11B	19N	42		266
A 516	14		230 200 50 64 57 5					250 220 52		7A	
A 516A	2	SHLD A516	25N				E55-B	38N			306

THE STD CONDUCTOR TERMINATION FIGURES ARE PER

DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AB | SHEET 83 OF 150

GNW WIRING HARNESS A AR 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO
A 516L		J33-EE	22N			304	K46- 8	31Y			225
A 516R		J33-GG	22N			304	K46-11	31Y			225
A 516Y		J33-FF	22N			304	K46- 5	31Y	49		225
A 517	14		280 250 50 65 57 5					250 220 52		7A	
A 517A	2	SHLD A517	25N				E55-B	38N			306
A 517L		J33-MM	22N			304	K47- 5	31Y	49		226
A 517R		J33-JJ	22N			304	K47-11	31Y	49		226
A 517Y		J33-KK	22N			304	K47- 7	31Y			226
A 518	11		330 300 51 87 86 5					250 220 51		7A	
A 518A	2	SHLD A518	25N				E55-B	38N			306
A 518L		J33-NN	22N			304	TB6- 4D	19N	42		38
A 518R		J33-LL	22N			304	TB6- 1D	19N	42		38
A 519	7		180 150 52 63 54 5					200 170 53		7A	
A 519A	2	SHLD A519	25N				E55-B	38N			306
A 519M		J33-NN	22N			304	TB11- 2E	19N	42		37
A 520	7		230 200 52 63 54 5					200 170 53		7A	
A 520A	2	SHLD A520	25N				E55-B	38N			306
A 520W		J33-PP	22N			304	TB11- 2D	19N	42		37

THE STD CONDUCTOR TERMINATION FIGURES ARE PER

DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AR | SHEET 84 OF 150

GNW WIRING HARNESS A AR 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO
A 521	3	J34-R	22N			301	E62-B	38N			292
A 522	12		180 150 90 67 59 5					250 220 51		7A	
A 522A	2	SHLD A522	25N				E62-B	38N			292
A 522L		J34-N	22N			301	TB17-12A	19N	43		261
A 522R		J34-M	22N			301	TB17-11A	19N	43		261
A 523	11		230 200 51 87 86 5					250 220 51		7A	
A 523A	2	SHLD A523	25N				E56-B	38N			302
A 523L		J34-R	22N			301	TB17-12B	19N	42		261
A 523R		J34-P	22N			301	TB17-11B	19N	42		261
A 524	12		280 250 90 67 59 5					250 220 51		7A	
A 524A	2	SHLD A524	25N				E56-B	38N			302
A 524L		J34-V	22N			301	TB17- 9B	19N	43		261
A 524R		J34-U	22N			301	TB17-10B	19N	43		261
A 525	2	J34-W	22N			301	K45- 1	31Y	48		224
A 526	2	J34-X	22N			301	K49- 1	31Y	48		228
A 527	2	J34-Y	22N			301	K53- 1	31Y	48		232
A 528	3	J34-Z	22N			301	K68- 1	31Y	48		258
A 529	10		330 300 50 64 56 5					250 220 52		7A	

THE STD CONDUCTOR TERMINATION FIGURES ARE PER

DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AR | SHEET 85 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	ITEM NO	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO
A 529A	2		SHLD A529	25N			E56-B	38N		302
A 529L			J34-B*	22N		301	J39-R	22N		291
A 529R			J34-A*	22N		301	J39-P	22N		291
A 530	11		330 300 51 87 86 5				250 220 51		7A	
A 530A	2		SHLD A530	25N			E56-B	38N		302
A 530L			J34-D*	22N		301	J39-T	22N		291
A 530R			J34-C*	22N		301	J39-S	22N		291
A 531	10		180 150 50 64 56 5				250 220 52		7A	
A 531A	2		SHLD A531	25N			E56-B	38N		302
A 531L			J34-F*	22N		301	J39-N	22N		291
A 531R			J34-E*	22N		301	J39-M	22N		291
A 532	11		230 200 51 87 86 5				250 220 51		7A	
A 532A	2		SHLD A532	25N			E56-B	38N		302
A 532L			J34-H*	22N		301	TB6- 5D	19N	42	38
A 532R			J34-G*	22N		301	TB6- 2D	19N	45	38
A 533	1		J34-I*	22N		301	J39-U	22N		291
A 534	1		J34-J*	22N		301	J39-V	22N		291
A 535	1		J34-K*	22N		301	J39-W	22N		291

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 86 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	ITEM NO	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO
A 536	1		J34-M*	22N		301	K60- 1	31Y	48	250
A 537	1		J34-O*	22N		301	J39-V	22N		291
A 538	1		J34-S*	22N		301	J39-Z	22N		291
A 539	1		J34-T*	22N		301	J39-B*	22N		291
A 540	1		J34-U*	22N		301	J39-C*	22N		291
A 541	3		J34-W*	22N		301	K64- 1	31Y	48	254
A 542	7		280 250 52 63 54 5				200 170 53		7A	
A 542A	2		SHLD A542	25N			E94-B	38N		303
A 542M			J34-X*	22N		301	J39-F*	22N		291
A 543	3		J34-Y*	22N		301	J39-G*	22N		291
A 544	7		330 300 52 63 54 5				200 170 53		7A	
A 544A	2		SHLD A544	25N			E94-B	38N		303
A 544M			J34-Z*	22N		301	J39-H*	22N		291
A 545	3		J34-AA	22N		301	J39-I*	22N		291
A 546	3		J34-BB	22N		301	J39-J*	22N		291
A 547	7		180 150 52 63 54 5				200 170 53		7A	
A 547A	2		SHLD A547	25N			E94-B	38N		303
A 547M			J34-CC	22N		301	J39-K*	22N		291

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 87 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	ITEM NO	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO
A 549	1		J34-EE	22N		301	J39-N*	22N		291
A 550	7		230 200 52 63 54 5				200 170 53		7A	
A 550A	2		SHLD A550	25N			E94-B	38N		303
A 550M			J34-FF	22N		301	J39-P*	22N		291
A 551	7		280 250 52 63 54 5				200 170 53		7A	
A 551A	2		SHLD A551	25N			E94-B	38N		303
A 551M			J34-GG	22N		301	J39-O*	22N		291
A 552	3		J35-B	22N		300	E57-B	38N		299
A 553	10		180 150 50 64 56 5				250 220 52		7A	
A 553A	2		SHLD A553	25N			E57-B	38N		299
A 553L			J35-M	22N		300	K32- 3	31Y		211
A 553R			J35-L	22N		300	K32- 5	31Y		211
A 554	10		230 200 50 64 56 5				250 220 52		7A	
A 554A	2		SHLD A554	25N			E57-B	38N		299
A 554L			J35-P	22N		300	K31- 5	31Y		210
A 554R			J35-N	22N		300	K31-10	31Y		210
A 555	10		280 250 50 64 56 5				250 220 52		7A	
A 555A	2		SHLD A555	25N			E57-B	38N		299

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 88 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	ITEM NO	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO
A 555L			J35-Z	22N		300	K32-10	31Y		211
A 555R			J35-Y	22N		300	K32-12	31Y		211
A 556	7		330 300 52 63 54 5				200 170 53		7A	
A 556A	2		SHLD A556	25N			E57-B	38N		299
A 556M			J35-D*	22N		300	J37-F*	22N		295
A 557	10		180 150 50 64 56 5				250 220 52		7A	
A 557A	2		SHLD A557	25N			E57-B	38N		299
A 557L			J35-F*	22N		300	J37-H*	22N		295
A 557R			J35-E*	22N		300	J37-G*	22N		295
A 558	14		230 200 50 63 57 5				250 220 52		7A	
A 558A	2		SHLD A558	25N			E57-B	38N		299
A 558L			J35-H*	22N		300	J37-HH	22N		295
A 558R			J35-G*	22N		300	J37-GG	22N		295
A 558Y			J35-I*	22N		300	J37-JJ	22N		295
A 559	1		J35-O*	22N		300	J43-X	22N		275
A 560	1		J35-Y*	22N		300	TB13- 3C	19N	42	266
A 561	3		J36-B	22N		298	E58-B	38N		297
A 562	10		280 250 50 64 56 5				250 220 52		7A	

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 89 OF 150

GNW

WIRING HARNESS A AR 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO NO.
A 562A	2	SHLD A562	25N		E58-B	38N	297
A 562L		J36-F*	22N	298	K19- 1	31Y 47	177
A 562R		J36-E*	22N	298	K19- 7	31Y 47	177
A 563	10		330 300 50 64 56 5			250 220 52	7A
A 563A	2	SHLD A563	25N		E58-R	38N	297
A 563L		J36-H*	22N	298	K19- 2	31Y 47	177
A 563R		J36-G*	22N	298	K19- 6	31Y 47	177
A 564	10		180 150 50 64 56 5			250 220 52	7A
A 564A	2	SHLD A564	25N		E58-B	38N	297
A 564L		J36-J*	22N	298	K30- 1	31Y 47	209
A 564R		J36-I*	22N	298	K30- 7	31Y 47	209
A 565	10		230 200 50 64 56 5			250 220 52	7A
A 565A	2	SHLD A565	25N		E58-B	38N	297
A 565L		J36-M*	22N	298	K30- 2	31Y 47	209
A 565R		J36-K*	22N	298	K30- 6	31Y 47	209
A 566	10		280 250 50 64 56 5			250 220 52	7A
A 566A	2	SHLD A566	25N		E58-B	38N	297
A 566L		J36-P*	22N	298	J37-P*	22N	295

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AB | SHEET 90 OF 150

GNW

WIRING HARNESS A AR 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO NO.
A 566R		J36-N*	22N	298	J37-N*	22N	295
A 567	7		330 300 52 63 54 5			200 170 55	7A
A 567A	2	SHLD A567	25N		E58-B	38N	297
A 567W		J36-O*	22N	298	J37-O*	22N	295
A 568	10		180 150 50 64 56 5			250 220 52	7A
A 568A	2	SHLD A568	25N		E58-R	38N	297
A 568L		J36-S*	22N	298	J37-S*	22N	295
A 568R		J36-R*	22N	298	J37-R*	22N	295
A 569	10		250 200 50 64 56 5			250 220 52	7A
A 569A	2	SHLD A569	25N		E58-B	38N	297
A 569L		J36-U*	22N	298	J37-U*	22N	295
A 569R		J36-T*	22N	298	J37-T*	22N	295
A 570	14		280 250 50 65 57 6			250 220 50 65 57 6	
A 570A	2	SHLD A570	25N		J36-W	22N	298
A 570B	2	J37-C	22N	295	SHLD A570	25N	
A 570L		J36-W*	22N	298	J37-W*	22N	295
A 570R		J36-V*	22N	298	J37-V*	22N	295
A 570Y		J36-X*	22N	298	J37-X*	22N	295

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AB | SHEET 91 OF 150

CONDUCTOR		FROM											TO										
INDIVIDUAL LENGTH		CUT WIRE OR SHIELD											CUT WIRE OR SHIELD										
		STRIP WIRE OR JACKET											STRIP WIRE OR JACKET										
MARKER	ITEM NO.	CIRCUIT POINT											CIRCUIT POINT										
A 570Y		J36-X*	22N									298	J37-X*	22N									295
A 571	10		350	300	50	64	56	5						250	220	52				7A			
A 571A	2	SHLD A571	25N										E98-B	38N									297
A 571L		J36-Z*	22N									298	J37-FF	22N									295
A 571R		J36-Y*	22N									298	J37-EE	22N									295
A 572		DELETED																					
A 573	3	J37-B	22N									295	E61-B	38N									271
A 574		DELETED																					
A 575	10		180	150	50	64	56	5						250	220	52				7A			
A 575A	2	SHLD A575	25N										E61-B	38N									271
A 575L		J37-Z	22N									295	T813-16A	19N		42							266
A 575R		J37-Y	22N									295	T813-15A	19N		42							266
A 576	10		230	200	50	64	56	5						250	220	52				7A			
A 576A	2	SHLD A576	25N										E61-B	38N									271
A 576L		J37-C*	22N									295	T87- 4D	19N		42							33
A 576R		J37-B*	22N									295	T87- 3D	19N		42							33
A 577	10		280	250	50	64	56	5						250	220	52				7A			
A 577A	2	SHLD A577	25N										E59-B	38N									296

THE STD CONDUCTOR TERMINATION FIGURES ARE PER

DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	1900712	
SCALE - NONE	REV LTR AC		SHEET 92 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	1	2	TERMINATION SPEC. ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	1	2	TERMINATION SPEC. ITEM NO.	NO.
A 577R		U37-D*	22N			295	TR13- 4C	19N	42		266
A 578	10		330	300 50 64 58 5				250	220 52	7A	
A 578A	2	SHLD A578	25N				E59-R	38N			296
A 578L		U37-J*	22N			295	J41-E*	22N			280
A 578R		U37-I*	22N			295	U41-F*	22N			280
A 579	10		180	150 50 64 58 5				250	220 52	7A	
A 579A	2	SHLD A579	25N				E59-B	38N			296
A 579L		U37-K*	22N			295	J41-H*	22N			280
A 579R		U37-H*	22N			295	J41-G*	22N			280
A 580	10		230	200 50 64 58 5				250	220 52	7A	
A 580A	2	SHLD A580	25N				E59-B	38N			296
A 580L		U37-Z*	22N			295	TR17-16D	19N	42		261
A 580R		U37-Y*	22N			295	TB17-15D	19N	42		261
A 581	7		280	250 52 63 54 5				200	170 53	7A	
A 581A	2	SHLD A581	25N				E59-R	38N			296
A 581W		U37-BB	22N			295	K28- 3	31Y			207
A 583	11		180	150 51 87 86 5				250	220 51	7A	
A 583A	2	SHLD A583	25N				E59-B	38N			296

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANUFT. SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE NONE | REV LTR AB | SHEET 93 OF 150

CONDUCTOR INDIVIDUAL LENGTH (1) NOMINAL	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	(4)	(5)	TERMINATION SPEC (6) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	(4)	(5)	TERMINATION SPEC (6) ITEM NO.	NO.	
A 583A	2	SHLD A583	25N				E59-B	38N			296	
A 583L		J37-LL	22N			295	TB6- 4E	19N	42		38	
A 583R		J37-KK	22N			295	TB6- 1E	19N	42		98	
A 584	14		230	200 50 65 52 5				250	220 52	7A		
A 584A	2	SHLD A584	25N				E59-B	38N			296	
A 584L		J37-MM	22N			295	TB13-20D	19N	42		266	
A 584R		J37-PP	22N			295	TB13-19D	19N	42		264	
A 584Y		J37-RR	22N			295	TB13-20E	19N	42		266	
A 585		DELETED										
A 586	3	J38-B	22N			295	E60-B	38N			294	
A 587		DELETED										
A 588	3	J38-B*	22N			295	TB13-10A	19N	42		266	
A 589	10		180	250 50 64 56 5				250	220 52	7A		
A 589A	2	SHLD A589	25N				E60-B	38N			298	
A 589L		J38-D*	22N			295	TB11- 5C	19N	42		37	
A 589R		J38-C*	22N			295	TB11- 4C	19N	42		37	
A 590	10		230	200 50 64 56 5				250	220 52	7A		
A 590A	2	SHLD A590	25N				E60-B	38N			294	

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AC | SHEET 94 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.
A 590R		J38-E*	22N			293	K42-17	31Y			221
A 591	10		280 250 50 64 56 5					250 220 52		7A	
A 591A	2	SHLD A591	25N				E60-B	38N			294
A 591L		J38-H*	22N			293	TB17- 2A	19N	42		261
A 591R		J38-G*	22N			293	TB17- 1A	19N	42		261
A 592	10		330 300 50 64 56 5					250 220 52		7A	
A 592A	2	SHLD A592	25N				E60-B	38N			294
A 592L		J38-K*	22N			293	K58-10	31Y	49		248
A 592R		J38-J*	22N			293	K58-13	31Y	49		248
A 593	10		180 150 50 64 56 5					250 220 52		7A	
A 593A	2	SHLD A593	25N				E60-B	38N			294
A 593L		J38-N*	22N			293	K58- 4	31Y	49		248
A 593R		J38-M*	22N			293	K58- 7	31Y	49		248
A 594	10		230 200 50 64 56 5					250 220 52		7A	
A 594A	2	SHLD A594	25N				E60-B	38N			294
A 594L		J38-Q*	22N			293	K60- 5	31Y	49		250
A 594R		J38-P*	22N			293	K60- 8	31Y	49		250
A 595	10		280 250 50 64 56 5					250 220 52		7A	

THE STD CONDUCTOR TERMINATION FIGURES ARE PER
DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 95 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.
A 595A	2	SHLD A595	25N				E60-B	38N			294
A 595L		J38-S*	22N			293	K57-10	31Y	49		247
A 595R		J38-R*	22N			293	K57-13	31Y	49		247
A 596	10		330 300 50 64 56 5					250 220 52		7A	
A 596A	2	SHLD A596	25N				E61-B	38N			271
A 596L		J38-U*	22N			293	K57- 4	31Y	49		247
A 596R		J38-T*	22N			293	K57- 7	31Y	49		247
A 597	10		180 150 50 64 56 5					250 220 52		7A	
A 597A	2	SHLD A597	25N				E61-B	38N			271
A 597L		J38-Z*	22N			293	TR17-20A	19N	42		261
A 597R		J38-Y*	22N			293	TR17-19A	19N	42		261
A 598	10		230 200 50 64 56 5					250 220 52		7A	
A 598A	2	SHLD A598	25N				E61-B	38N			271
A 598L		J38-CC	22N			293	TB13- 2D	19N	42		266
A 598R		J38-BB	22N			293	TB13- 1D	19N	42		266
A 600	1	J38-DD	22N			293	TR13-11A	19N	42		266
A 601	14		230 200 50 63 57 5					250 220 52		7A	
A 601A	2	SHLD A601	25N				E61-B	38N			271

THE STD CONDUCTOR TERMINATION FIGURES ARE PER
DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 96 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.
A 601L		J38-EE	22N			293	K42- 8	31Y			221
A 601R		J38-GG	22N			293	K42-11	31Y			221
A 601Y		J38-FF	22N			293	K42- 5	31Y	49		221
A 602	14		280 250 50 63 57 5					250 220 52		7A	
A 602A	2	SHLD A602	25N				E61-B	38N			271
A 602L		J38-HH	22N			293	K43- 5	31Y	49		222
A 602R		J38-JJ	22N			293	K43-11	31Y	49		222
A 602Y		J38-KK	22N			293	K43- 7	31Y			222
A 603	11		330 300 51 87 86 5					250 220 51		7A	
A 603A	2	SHLD A603	25N				E61-B	38N			271
A 603L		J38-MM	22N			293	TB6- 4B	19N	42		38
A 603R		J38-LL	22N			293	TB6- 1B	19N	42		38
A 604	7		180 150 52 63 54 5					200 170 53		7A	
A 604A	2	SHLD A604	25N				E61-B	38N			271
A 604M		J38-NN	22N			293	TB11-.3B	19N	42		37
A 605	7		230 200 52 63 54 5					200 170 53		7A	
A 605A	2	SHLD A605	25N				E61-B	38N			271
A 605M		J38-PP	22N			293	TB11- 2F	19N	42		37

THE STD CONDUCTOR TERMINATION FIGURES ARE PER
DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 97 OF 150

GNW WIRING HARNESS A AC 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO.	NO.
A 605M		J38-PP	22M 42 5	291	TB11- 2E	19M 37	
A 606		DELETED					
A 607		J39-B	22M	291	E62-B	38M	292
A 608	1	J39-K	22M	291	TB17- 8B	19M 48	261
A 609		DELETED					
A 610	10		180 150 50 64 56 5			250 220 52 7A	
A 610A		SHLD A610	25M		E62-B	38M	292
A 610L		J39-T*	22M	291	J43-C	22M	275
A 610R		J39-S*	22M	291	J43-B	22M	275
A 611	9		230 200 52 63 55 5			200 170 53 7A	
A 611A	2	SHLD A611	25M		E62-B	38M	292
A 611W		J39-V*	22M	291	TB6- 3B	19M 45	38
A 612	9		280 250 52 63 55 5			200 170 53 7A	
A 612A	2	SHLD A612	25M		E62-B	38M	292
A 612W		J39-W*	22M	291	TB6- 3C	19M 45	38
A 613	7		330 300 52 63 54 5			200 170 53 7A	
A 613A	2	SHLD A613	25M		E62-B	38M	292
A 613W		J39-BB	22M	291	J43-D	22M	275

▷ THE STD CONDUCTOR TERMINATION FIGURES ARE PER

▷ DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AC | SHEET 98 OF 150

GNW WIRING HARNESS A AC 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO.	NO.
A 614	1	J39-EE	22M	291	TB11- 1C	19M 42	37
A 615	1	J39-DD	22M	291	TB13- 6C	19M 42	264
A 616	5	J40-B	28Y 47	290	E62-B	38M	292
A 617	4	J40-D	28Y 47	290	TB5- 4	19M 40	65
A 618	4	J40-E	28Y 47	290	TB16- 7	19M 40	262
A 619	6	J40-I	41Y 46	290	TB2- 8	31M 41	92
A 620	6	J40-J	41Y 46	290	TB2- 7	31M 41	93
A 621	5	J40-K	41Y 46	290	TB3- 8	19M 40	70
A 622	5	J40-L	41Y 46	290	TB3- 7	19M 40	71
A 623	5	J40-M	41Y 46	290	TB4- 8	19M 45	82
A 624	5	J40-N	41Y 46	290	TB4- 7	19M 40	83
A 625	6	J40-S	41Y 46	290	TB16- 8	31M 41	262
A 626	6	J40-T	41Y 46	290	TB14-10	31M 41	262
A 627	6	J40-U	41Y 46	290	TB14-10	31M 41	265
A 628	6	J40-V	41M 46	290	TB10- 4	31M 41	36
A 629		DELETED					
A 630	12		180 150 90 67 59 5			250 220 51 7A	
A 630A	2	SHLD A630	25M		E62-B	38M	292

▷ THE STD CONDUCTOR TERMINATION FIGURES ARE PER

▷ DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AC | SHEET 99 OF 150

GNW

WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	ITEM NO	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO	FROM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO	TO NO
A 630R			U40-D* 28Y 47		290	TB17- 9C 19N 43		261
A 631	10		180 150 50 64 56 5			250 220 52	7A	
A 631A	2		SHLD A631 25N			E65-R 38N		278
A 631L			J41-C 22N		280	TB13-18D 19N 42		266
A 631R			J41-B 22N		280	TB13-17D 19N 42		266
A 632	10		230 200 50 64 56 5			250 220 52	7A	
A 632A	2		SHLD A632 25N			E63-R 38N		278
A 632L			J41-E 22N		280	TB13-14C 19N 42		266
A 632N			J41-D 22N		280	TB13-13C 19N 42		266
A 633	10		280 250 50 64 56 5			250 220 52	7A	
A 633A	2		SHLD A633 25N			E63-R 38N		278
A 633L			J41-G 22N		280	TB17-16A 19N 42		261
A 633R			J41-F 22N		280	TB17-15A 19N 42		261
A 644	3		J41-H 22N		280	E63-B 38N		278
A 645	1		J41-N 22N		280	TB7-12C 19N 42		33
A 646	1		J41-P 22N		280	K20- 5 31Y 44		178
A 647	1		J41-R 22N		280	K20- 3 31Y 47		178
A 648	10		330 300 50 64 56 5			250 220 52	7A	

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AB | SHEET 100 OF 150

GNW

WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	ITEM NO	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO	FROM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO	TO NO
A 648A	2		SHLD A648 25N			E63-B 38N		278
A 648L			J41-D* 22N		280	TB7- 4C 19N 42		33
A 648R			J41-C* 22N		280	TB7- 3C 19N 42		33
A 649	10		180 150 50 64 56 5			250 220 52	7A	
A 649A	2		SHLD A649 25N			E63-B 38N		278
A 649L			J41-I* 22N		280	TB13- 5D 19N 42		266
A 649R			J41-J* 22N		280	TB13- 4D 19N 42		266
A 650	10		230 200 50 64 56 5			250 220 52	7A	
A 650A	2		SHLD A650 25N			E63-B 38N		278
A 650L			J41-P* 22N		280	TB7- 6C 19N 42		33
A 650R			J41-N* 22N		280	TB7- 5C 19N 42		33
A 651	1		J41-U* 22N		280	J44-T 22N		274
A 652	1		J41-V* 22N		280	J44-W 22N		274
A 653	1		J41-W* 22N		280	J44-X 22N		274
A 654	3		J42-B 22N		279	E63-R 38N		278
A 655	10		180 150 50 64 56 5			250 220 52	7A	
A 655A	2		SHLD A655 25N			E63-B 38N		278
A 655L			J42-B* 22N		279	J43-S* 22N		275

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AR | SHEET 101 OF 150

GNW

WIRING HARNESS A AC 1900712

CONDUCTOR NUMBER	ITEM NO	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO	FROM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO	TO NO
A 655L			J42-B* 22N		279	J43-S* 22N		275
A 655R			J42-A* 22N		279	J43-R* 22N		275
A 656	10		280 200 50 64 56 5			250 220 52	7A	
A 656A	2		SHLD A656 25N			E63-B 38N		278
A 656L			J42-D* 22N		279	J43-U* 22N		275
A 656R			J42-C* 22N		279	J43-T* 22N		275
A 657			DELETED					
A 658	5		K3- 9 31Y 47		50	E87-B 38N		269
A 659	3		J43-B 22N		275	E65-B 38N		276
A 660	3		J43-N 22N		275	E87-B 38N		269
A 661	5		J43-P 22N		275	TB12-40 25Y		200
A 662	8		180 150 52 63 55 5			250 220 55	7A	
A 662A	2		SHLD A662 25N			E65-B 38N		276
A 662R			J43-S 22N		275	K8-12 31Y 47		39
A 663	11		230 200 51 87 86 5			250 220 51	7A	
A 663A	2		SHLD A663 25N			E65-B 38N		276
A 663L			J43-U 22N		275	K8-10 31Y		39
A 663R			J43-T 22N		275	K8-14 31Y		39

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AC | SHEET 102 OF 150

WIRING HARNESS A

CONDUCTOR NUMBER	ITEM NO	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO	FROM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO	TO NO
A 665	1		J43-W 22N		275	P6-R 31Y 90		114
A 666	8		280 250 52 63 55 5			200 170 53	7A	
A 666A	2		SHLD A666 25N			E65-B 38N		276
A 666W			J43-Y 22N		275	TB13-13F 19N 42		266
A 667	3		J43-Z 22N		275	P6-D 31Y		114
A 668	3		J43-A* 22N		275	E65-B 38N		276
A 669	1		J43-B* 22N		275	P6-W 31Y 90		114
A 670	3		J43-C* 22N		275	K8- 3 31Y 47		99
A 671	1		J43-D* 22N		275	P6-P 31Y 90		114
A 672	1		J43-E* 22N		275	P2-E 31Y 90		119
A 673	1		J43-F* 22N		275	P2-H 31Y 90		119
A 674	3		J43-I* 22N		275	P6-Z 31Y		114
A 675	11		330 300 51 87 86 5			250 220 51	7A	
A 675A	2		SHLD A675 25N			E65-B 38N		276
A 675L			J43-K* 22N		275	K20- 8 31Y 47		178
A 675R			J43-J* 22N		275	K20-14 31Y 47		178
A 676	3		J43-V* 22N		275	P6-A 31Y		114
A 677	1		J44-B 22N		274	TB17- 8C 19N 42		261

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AB | SHEET 103 OF 150

GNW WIRING HARNESS A AR 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO
A 678	7		180 150 52 63 54 5				200 170 53		7A
A 678A	2	SHLD A678	25N			E66-B	38N		273
A 678W		J44-C	22N		274	K30-13	31Y		209
A 679	10		230 200 50 64 56 5				250 220 52		7A
A 679A	2	SHLD A679	25N			E66-B	38N		273
A 679L		J44-E	22N		274	K19- 9	31Y	46	177
A 679R		J44-D	22N		274	K19-13	31Y	47	177
A 680	10		280 250 50 64 56 5				250 220 52		7A
A 680A	2	SHLD A680	25N			E66-B	38N		273
A 680L		J44-G	22N		274	K19- 8	31Y	47	177
A 680R		J44-F	22N		274	K19-14	31Y	47	177
A 681	10		330 300 50 64 56 5				250 220 52		7A
A 681A	2	SHLD A681	25N			E66-B	38N		273
A 681L		J44-J	22N		274	K30- 8	31Y	47	209
A 681R		J44-H	22N		274	K30-14	31Y	47	209
A 682	1	J44-K	22N		274	K20- 7	31Y	47	178
A 683	9		180 150 52 63 55 5				200 170 53		7A
A 683A	2	SHLD A683	25N			E66-B	38N		273

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AR | SHEET 104 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO
A 683W		J44-L	22N		274	J45-K*	22N		268
A 684	9		230 200 52 63 55 5				200 170 53		7A
A 684A	2	SHLD A684	25N			E66-B	38N		273
A 684W		J44-M	22N		274	J45-M*	22N		268
A 685	1	J44-R	22N		274	K8- 7	31Y	47	99
A 686	1	J44-S	22N		274	P2-C	31Y	90	119
A 687	1	J44-U	22N		274	P2-B	31Y	90	119
A 688	10		280 250 50 64 56 5				250 220 52		7A
A 688A	2	SHLD A688	25N			E63-B	38N		278
A 688L		J42-U*	22N		279	TB17-17C	19N	42	261
A 688R		J42-T*	22N		279	TB17-18C	19N	42	261
A 689	1	J44-Y	22N		274	P6-E	31Y		114
A 690	1	J44-Z	22N		274	P2-P	31Y		119
A 691	3	J44-A*	22N		274	E66-B	38N		273
A 692	1	J44-B*	22N		274	P2-D	31Y		119
A 693	1	J44-C*	22N		274	P2-X	31Y		119
A 694	3	J44-D*	22N		274	P2-S	31Y		119
A 695	3	J44-E*	22N		274	P2-F	31Y		119

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AR | SHEET 105 OF 150

GNW WIRING HARNESS A AR 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO
A 696	3	J44-M*	22N		274	P2-L	31Y	90	119
A 697	1	J44-N*	22N		274	P2-A*	31Y	90	119
A 698	1	J44-P*	22N		274	P2-Z	31Y	90	119
A 699	1	J44-R*	22N		274	P2-N	31Y	90	119
A 700	1	J44-S*	22N		274	P2-M	31Y	90	119
A 701	7		330 300 52 63 54 5				200 170 53		7A
A 701A	2	SHLD A701	25N			E66-B	38N		273
A 701W		J44-AA	22N		274	K27- 1	31Y	47	206
A 702	7		180 150 52 63 54 5				200 170 53		7A
A 702A	2	SHLD A702	25N			E66-B	38N		273
A 702W		J44-BB	22N		274	K28- 1	31Y	47	207
A 703	3	J44-CC	22N		274	K20- 1	31Y	47	178
A 704	3	J44-DD	22N		274	P2-A	31Y	90	119
A 705	3	J45-B	22N		268	E67-B	38N		269
A 706	3	J45-H*	22N		268	E87-B	38N		263
A 707	3	J45-N*	22N		268	E87-B	38N		263
A 708	3	J45-S*	22N		268	TB13-12A	19N	43	266
A 709	10		180 150 50 64 56 5				250 220 52		7A

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

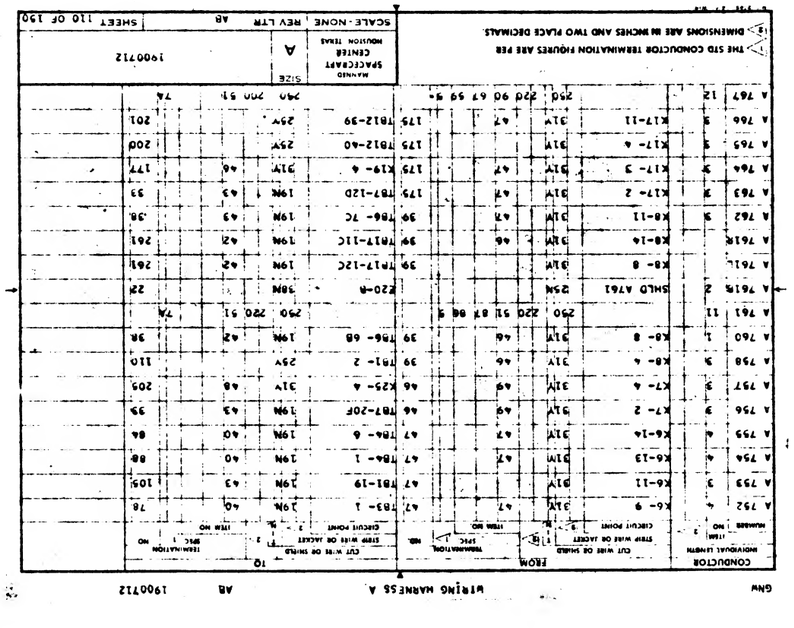
MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AR | SHEET 106 OF 150

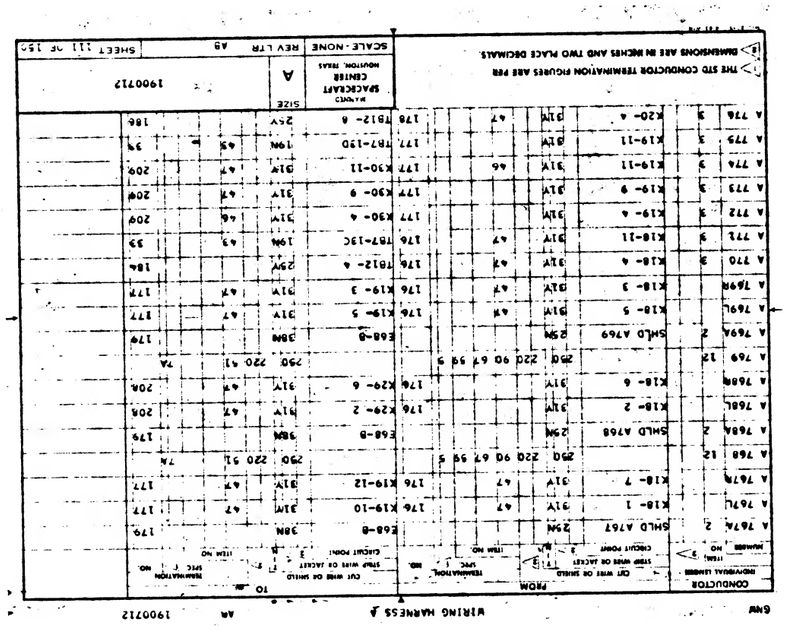
GNW WIRING HARNESS A AR 1900712

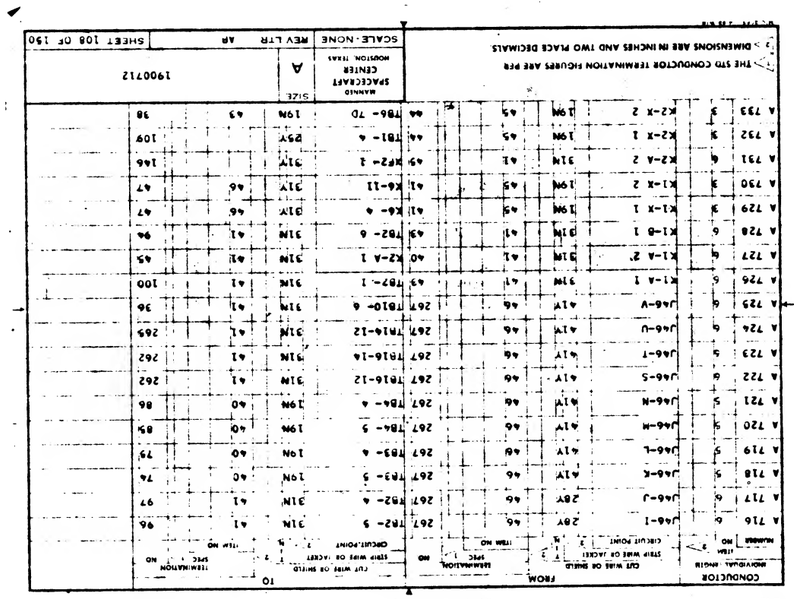
CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO
A 709A	2	SHLD A709	25N			E67-B	38N		269
A 709L		J45-X*	22N		268	TB17- 6B	19N	42	261
A 709R		J45-W*	22N		268	TB17- 5B	19N	42	261
A 710	10		230 200 50 64 56 5				250 220 52		7A
A 710A	2	SHLD A710	25N			E67-B	38N		269
A 710L		J45-Y*	22N		268	TB11- 9E	19N	42	37
A 710R		J45-Z*	22N		268	TB11- 3E	19N	42	37
A 711	10		280 250 50 64 56 5				250 220 52		7A
A 711A	2	SHLD A711	25N			E67-B	38N		269
A 711L		J45-CC	22N		268	TB17- 2B	19N	42	261
A 711R		J45-BB	22N		268	TB17- 1B	19N	42	261
A 712	10		330 300 50 64 56 5				250 220 52		7A
A 712A	2	SHLD A712	25N			E67-B	38N		269
A 712L		J45-EE	22N		268	TB17- 4B	19N	42	261
A 712R		J45-DD	22N		268	TB17- 3B	19N	42	261
A 713	3	J45-GG	22N		268	TB12-20	25Y		191B
A 714	4	J46-D	28Y	47	267	TB5- 3	19N	40	64
A 715	4	J46-E	28Y	47	267	TB16- 9	19N	40	262

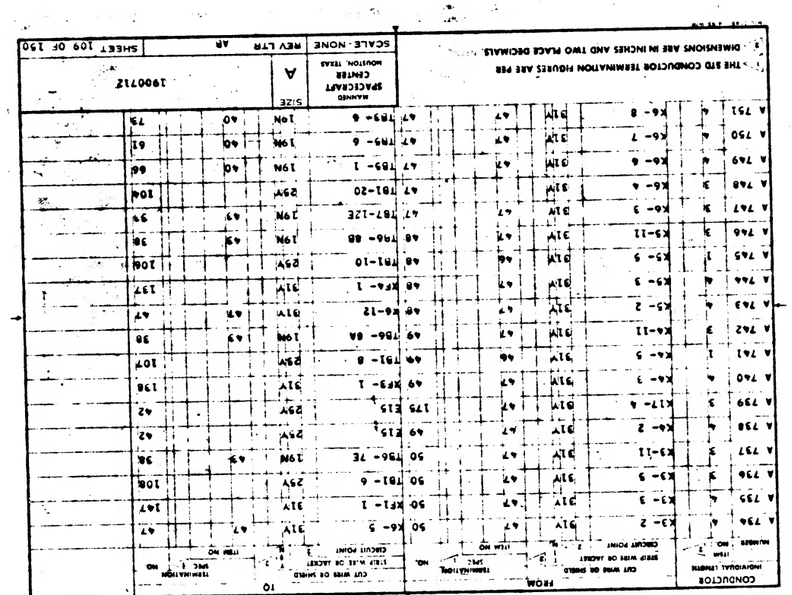
1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AR | SHEET 107 OF 150









CONDUCTOR NUMBER	CONDUCTOR INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO	TO NO.
A 716	6	J46-I 28Y	46	267	TB2- 5 31N	41	96
A 717	6	J46-J 28Y	46	267	TB2- 4 31N	41	97
A 718	5	J46-K 41Y	46	267	TB3- 5 19N	40	74
A 719	5	J46-L 41Y	46	267	TB3- 4 19N	40	75
A 720	5	J46-M 41Y	46	267	TB4- 5 19N	40	85
A 721	5	J46-N 41Y	46	267	TB4- 4 19N	40	86
A 722	6	J46-S 41Y	46	267	TB16-12 31N	41	262
A 723	5	J46-T 41Y	46	267	TB16-14 31N	41	262
A 724	6	J46-U 41Y	46	267	TB14-12 31N	41	265
A 725	6	J46-V 41Y	46	267	TB10- 6 31N	41	36
A 726	6	K1-A 1 31N	41	43	TB7- 1 31N	41	100
A 727	6	K1-A 2 31N	41	40	K2-A 1 31N	41	65
A 728	6	K1-B 1 31N	41	43	TB2- 6 31N	41	94
A 729	3	K1-X 1 19N	45	41	K6- 4 31Y	46	47
A 730	3	K1-X 2 19N	45	41	K6-11 31Y	46	47
A 731	6	K2-A 2 31N	41	49	XF2- 1 31Y		146
A 732	3	K2-X 1 19N	45	44	TB1- 4 25Y		109
A 733	3	K2-X 2 19N	45	44	TB6- 7D 19N	43	98

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AR | SHEET 108 OF 150

CONDUCTOR NUMBER	CONDUCTOR INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO	TO NO.
A 734	4	K3- 2 31Y	47	50	K6- 5 31Y	47	47
A 735	4	K3- 3 31Y	47	50	XF1- 1 31Y		147
A 736	3	K3- 5 31Y	47	50	TB1- 6 25Y		108
A 737	3	K3-11 31Y	47	50	TB6- 7E 19N	43	98
A 738	4	K4- 2 31Y	47	49	E15 25Y		42
A 739	3	K17- 4 31Y	47	175	E15 25Y		42
A 740	4	K4- 3 31Y	47	49	XF3- 1 31Y		138
A 741	1	K4- 5 31Y	46	49	TB1- 8 25Y		107
A 742	3	K4-11 31Y	47	49	TB6- 8A 19N	43	38
A 743	4	K5- 2 31Y	47	48	K6-12 31Y	47	47
A 744	4	K5- 3 31Y	47	48	XF4- 1 31Y		137
A 745	1	K5- 5 31Y	46	48	TB1-10 25Y		106
A 746	3	K5-11 31Y	47	48	TB6- 8B 19N	43	38
A 747	3	K6- 3 31Y	47	47	TB7-12E 19N	43	99
A 748	3	K6- 4 31Y		47	TB1-20 25Y		104
A 749	4	K6- 6 31N	47	47	TB5- 1 19N	40	66
A 750	4	K6- 7 31Y	47	47	TB5- 6 19N	40	61
A 751	4	K6- 8 31N	47	47	TB3- 6 19N	40	75

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AR | SHEET 109 OF 150

CONDUCTOR NUMBER	CONDUCTOR INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO	TO NO.
A 752	4	K6- 9 31Y	47	47	TB3- 1 19N	40	78
A 753	3	K6-11 31Y		47	TB1-19 19N	43	105
A 754	4	K6-13 31N	47	47	TB4- 1 19N	40	88
A 755	4	K6-14 31Y	47	47	TB4- 6 19N	40	84
A 756	3	K7- 2 31Y	49	46	TB7-20F 19N	43	95
A 757	3	K7- 4 31Y	49	46	K25- 4 31Y	48	205
A 758	3	K8- 4 31Y	46	39	TB1- 2 25Y		110
A 760	1	K8- 8 31N	46	39	TB6- 6B 19N	42	38
A 761	11	250 220 51 87 86 5			250 220 51	7A	
A 761S	2	SHLD A761 25N			E20-8 38N		22
A 761L		K8- 8 31N		39	TB17-12C 19N	42	261
A 761R		K8-14 31N	46	39	TB17-11C 19N	42	261
A 762	3	K8-11 31N	47	39	TB6- 7C 19N	43	38
A 763	3	K17- 2 31Y	47	175	TB7-12D 19N	43	93
A 764	3	K17- 3 31Y	47	175	K19- 4 31Y	46	177
A 765	3	K17- 4 31Y		175	TB12-40 25Y		200
A 766	3	K17-11 31Y	47	175	TB12-39 25Y		201
A 767	12	250 220 90 67 59 5			250 220 51	7A	

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AB | SHEET 110 OF 150

CONDUCTOR NUMBER	CONDUCTOR INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO	TO NO.
A 767A	2	SHLD A767 25N			E68-8 38N		179
A 767L		K18- 1 31Y	47	176	K19-10 31Y	47	177
A 767R		K18- 7 31Y	47	176	K19-12 31Y	47	177
A 768	12	250 220 90 67 59 5			250 220 51	7A	
A 768A	2	SHLD A768 25N			E68-8 38N		179
A 768L		K18- 2 31Y		176	K29- 2 31Y	47	208
A 768R		K18- 6 31Y		176	K29- 6 31Y	47	208
A 769	12	250 220 90 67 59 5			250 220 51	7A	
A 769A	2	SHLD A769 25N			E68-8 38N		179
A 769L		K18- 5 31Y	47	176	K19- 5 31Y	47	177
A 769R		K18- 3 31Y	47	176	K19- 3 31Y	47	177
A 770	3	K18- 4 31Y	47	176	TB12- 4 25Y		184
A 771	3	K18-11 31Y	47	176	TB7-13C 19N	43	33
A 772	3	K19- 4 31Y		177	K30- 4 31Y	46	209
A 773	3	K19- 9 31Y		177	K30- 9 31Y	47	209
A 774	3	K19-11 31Y	46	177	K30-11 31Y	47	209
A 775	3	K19-11 31Y		177	TB7-13D 19N	43	33
A 776	3	K20- 4 31Y	47	178	TB12- 8 25Y		186

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AB | SHEET 111 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO.	TO NO.
A 777	3	K20- 5	31Y		178	K17-11	25Y		178
A 778	11	180 150 87 86 51 5				250 220 51	7A		
A 778A	2	SHLD A778	25N			E69-B	38N		181
A 778L		K20-10	31Y	47	178	K32- 8	31Y	46	211
A 778R		K20-12	31Y	47	178	K32-14	31Y	46	211
A 779	3	K20-11	31Y	47	178	TB7-13E	19N	43	33
A 780	12	250 220 90 67 59 5				250 220 51	7A		
A 780A	2	SHLD A780	25N			E69-B	38N		181
A 780L		K21- 2	31Y		180	E6	25Y		144
A 780R		K21- 6	31Y		180	KF5- 1	31Y		144
A 781	3	K21- 4	31Y	47	180	TR12-38	25Y		199
A 782	10	250 220 50 64 56 5				250 220 52	7A		
A 782A	2	SHLD A782	25N			E69-B	38N		181
A 782L		K21- 9	31Y	47	180	TR7-10A	19N	43	33
A 782R		K21-13	31Y	47	180	TB7- 9A	19N	43	33
A 783	3	K21-11	31Y	47	180	TB12-37	25Y		198
A 784	3	K22- 2	31Y	49	202	TB7-20D	19N	43	33
A 785	3	K22- 7	31Y		202	TR13-12F	19N	43	266

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 112 OF 150

GNW WIRING HARNESS A 1900712

CONDUCTOR NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO.	TO NO.
A 786	3	K23- 2	31Y	49	203	TB7-20R	19N	43	33
A 787	10	250 220 50 64 56 5				250 220 52	7A		
A 787A	2	SHLD A787	25N			E68-B	38N		179
A 787L		K23- 3	31Y		203	K38-12	31Y		217
A 787R		K23- 5	31Y	49	203	K38-10	31Y		217
A 788	3	K24- 2	31Y	49	204	TR7-20C	19N	43	33
A 789	3	K25- 2	31Y	49	205	TR7-15D	19N	43	33
A 790	3	K27- 2	31Y	47	206	K28- 2	31Y	46	207
A 791	3	K27- 4	31Y	47	206	TB12-12	25Y		188
A 792	3	K27-11	31Y	47	206	TR7-14A	19N	43	33
A 793	3	K28- 2	31Y		207	K32- 7	31Y	46	211
A 794	11	250 220 51 87 86 5				250 220 51	7A		
A 794A	2	SHLD A794	25N			E68-B	38N		179
A 794L		K24- 3	31Y		204	TB13- 8D	19N	42	266
A 794R		K24- 5	31Y	49	204	TB13- 7D	19N	42	266
A 795	3	K28- 4	31Y	47	207	TB12-14	25Y		189
A 796	3	K28-11	31Y	47	207	TB7-14C	19N	43	33
A 797	11	250 220 51 87 86 5				250 220 51	7A		

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 113 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO.	TO NO.
A 797A	2	SHLD A797	25N			E68-B	38N		179
A 797L		K29- 1	31Y	47	208	K30-10	31Y	47	209
A 797R		K29- 7	31Y	47	208	K30-12	31Y	47	209
A 798	11	250 220 51 87 86 5				250 220 51	7A		
A 798A	2	SHLD A798	25N			E68-B	38N		179
A 798L		K29- 3	31Y	47	208	K30- 3	31Y	47	209
A 798R		K29- 5	31Y	47	208	K30- 5	31Y	47	209
A 799	3	K29- 4	31Y	47	208	TR12- 2	25Y		183
A 800	3	K29-11	31Y	47	208	TB7-13B	19N	43	33
A 801	3	K30- 4	31Y		209	TB12- 6	25Y		185
A 802	3	K31- 3	31Y	47	210	TB7-11D	19N	43	33
A 803	3	K31-13	31Y	47	210	K32- 4	31Y	46	211
A 804	11	250 220 51 87 86 5				250 220 51	7A		
A 804A	2	SHLD A804	25N			E69-B	38N		181
A 804L		K31- 6	31Y	47	210	E11	25Y		12K
A 804R		K31- 9	31Y	47	210	KF12- 1	31Y		12Y
A 805	11	250 220 51 87 86 5				250 220 51	7A		
A 805A	2	SHLD A805	25N			E69-B	38N		181

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 114 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO.	TO NO.
A 805L		K31- 7	31Y	47	210	TR17-16B	19N	42	261
A 805R		K31- 8	31Y	47	210	TR17-15B	19N	42	261
A 806	3	K30-11	31Y		209	K32-11	31Y	46	211
A 807	11	250 220 51 87 86 5				250 220 51	7A		
A 807A	2	SHLD A807	25N			E69-B	38N		181
A 807L		K32- 1	31Y	47	211	TB13-14E	19N	42	266
A 807R		K32- 7	31Y		211	TB13-13E	19N	42	266
A 808	11	250 220 51 87 86 5				250 220 51	7A		
A 808A	2	SHLD A808	25N			E69-B	38N		181
A 808L		K32- 2	31Y	47	211	E9	25Y		139
A 808R		K32- 6	31Y	47	211	KF9- 1	31Y		13A
A 809	3	K32- 4	31Y		211	TB12-36	25Y		196
A 810	11	250 220 51 87 86 5				250 220 51	7A		
A 810A	2	SHLD A810	25N			E69-B	38N		181
A 810L		K32- 8	31Y		211	TB13-18E	19N	42	266
A 810R		K32-14	31Y		211	TB13-17E	19N	42	266
A 811	11	250 220 51 87 86 5				250 220 51	7A		
A 811A	2	SHLD A811	25N			E69-B	38N		181

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 115 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	NO.
A 811L		K32- 9	31Y 47	211	E7	25Y	143
A 811R		K32-13	31Y 47	211	XF6- 1	31Y	142
A 812	3	K32-11	31Y	211	TB12-35	25Y	197
A 813	15		250 220 51 66 86 5			250 220 51 7A	
A 813A	2	SHLD A813	25N		E69-B 1	38N	181
A 813L		K33- 2	31Y 47	212	XF11- 1	31Y	131
A 813R		K33- 6	31Y 47	212	XF10- 1	31Y	139
A 813Y		K33- 9	31Y 47	212	E10	25Y	192
A 814	3	K33-15	31Y 49	212	K34- 4	31Y 48	219
A 815	3	K33- 4	31Y	212	TB12-34	25Y	194
A 816	3	K37- 2	31Y	216	K34-11	31Y 48	219
A 817	3	K33-11	31Y	212	TB12-33	25Y	195
A 818	11		250 220 51 87 86 5			250 220 51 7A	
A 818A	2	SHLD A818	25N		E70-B	38N	233
A 818L		K34- 7	31Y	219	TB13- 2E	19N 42	266
A 818R		K34- 1	31Y	219	TB13- 1E	19N 42	266
A 819	11		250 220 51 87 86 5			250 220 51 7A	
A 819A	2	SHLD A819	25N		E70-B	38N	233

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE-NONE | REV LTR AB | SHEET 116 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	NO.
A 819L		K34- 6	31Y 47	213	E13	25Y	124
A 819R		K34- 2	31Y 47	213	XF14- 1	31Y	123
A 820	3	K34- 9	31Y 47	213	XF15- 1	31Y	122
A 821	11		250 220 51 87 86 5			250 220 51 7A	
A 821A	2	SHLD A821	25N		E70-B	38N	233
A 821L		K35- 7	31Y	214	TR17-19D	19N 42	261
A 821R		K35- 1	31Y	214	TB17-20D	19N 42	261
A 822	11		250 220 51 87 86 5			250 220 51 7A	
A 822A	2	SHLD A822	25N		E70-B	38N	233
A 822L		K35- 6	31Y 47	214	E14	25Y	121
A 822R		K35- 2	31Y 47	214	XF16- 1	31Y	120
A 823	3	K35- 4	31Y 48	214	K37- 1	31Y 48	216
A 824	3	K35- 4	31Y	214	TR12-32	25Y	192
A 825	11		250 220 51 87 86 5			250 220 51 7A	
A 825A	2	SHLD A825	25N		E70-B	38N	233
A 825L		K35-14	31Y 47	214	TB11- 6E	19N 42	37
A 825R		K35- 8	31Y 47	214	TB11- 4E	19N 42	37
A 826	11		250 220 51 87 86 5			250 220 51 7A	

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE-NONE | REV LTR AB | SHEET 117 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	NO.
A 826A	2	SHLD A826	25N		E70-P	38N	233
A 826L		K35-13	31Y 47	214	E12	25Y	125
A 826R		K35- 9	31Y 47	214	XF13- 1	31Y	126
A 827	3	K35-11	31Y 46	214	K37- 2	31Y 48	216
A 828	3	K35-11	31Y	214	TB12-31	25Y	193
A 829	15		250 220 51 66 86 5			250 220 51 7A	
A 829A	2	SHLD A829	25N		E70-B	38N	233
A 829L		K36- 9	31Y 47	215	K37- 6	31Y 48	216
A 829R		K36- 2	31Y 47	215	K37- 9	31Y 48	216
A 829Y		K36- 6	31Y 47	215	K37- 2	31Y 48	216
A 830	15		250 220 51 66 86 5			250 220 51 7A	
A 830A	2	SHLD A830	25N		E70-B	38N	233
A 830L		K36-10	31Y 47	215	K37- 8	31Y 49	216
A 830R		K36- 3	31Y 47	215	K37-11	31Y 49	216
A 830Y		K36- 5	31Y 47	215	K37- 5	31Y 49	216
A 831	3	K36- 4	31Y	215	TB12-10	25Y	187
A 832	3	K36-11	31Y 47	215	TB7-13F	19N 43	33
A 833	15		250 220 51 66 86 5			250 220 51 7A	

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE-NONE | REV LTR AB | SHEET 118 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	NO.
A 833A	2	SHLD A833	25N		E70-B	38N	223
A 833L		K37- 6	31Y	216	E8	25Y	140
A 833R		K37- 9	31Y	216	XF8- 1	31Y	139
A 833Y		K37- 3	31Y	216	XF7- 1	31Y	141
A 834	3	K38- 1	31Y 49	217	K54-15	31Y 49	241
A 835	3	K38- 2	31Y 49	217	K54- 2	31Y 48	241
A 836	10		250 220 50 64 56 5			250 220 52 7A	
A 836A	2	SHLD A836	25N		E71-B	38N	234
A 836L		K38- 6	31Y 48	217	K41- 6	31Y 49	220
A 836R		K38- 3	31Y 49	217	K41- 3	31Y 49	220
A 837	10		250 220 50 64 56 5			250 220 52 7A	
A 837A	2	SHLD A837	25N		E71-B	38N	234
A 837L		K38- 8	31Y	217	K39- 3	31Y	218
A 837R		K38- 4	31Y	217	K39- 5	31Y 49	218
A 838	10		250 220 50 64 56 5			250 220 52 7A	
A 838A	2	SHLD A838	25N		E71-B	38N	234
A 838L		K38-12	31Y	217	K55- 6	31Y 48	242
A 838R		K38- 9	31Y 49	217	K55- 3	31Y 48	242

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE-NONE | REV LTR AB | SHEET 119 OF 150

GNW WIRING HARNESS A AR 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.
A 839	3	K39- 2	31Y	48	218	TR7-20E	19N	43	33
A 840	3	K40- 2	31Y	49	219	TR7-19C	19N	43	33
A 841	10		250 220 50 64 56 5				250 220 52	7A	
A 841A	2	SHLD A841	25N			E71-8	38N		234
A 841L		K40- 6	31Y	49	219	K55- 6	31Y		242
A 841R		K40- 3	31Y	49	219	K55- 3	31Y		242
A 842	10		250 220 50 64 56 5				250 220 52	7A	
A 842A	2	SHLD A842	25N			E71-8	38N		234
A 842L		K40- 7	31Y	49	219	K41- 8	31Y	49	220
A 842R		K40- 4	31Y	49	219	K41- 5	31Y	49	220
A 843	10		250 220 50 64 56 5				250 220 52	7A	
A 843A	2	SHLD A843	25N			E71-8	38N		234
A 843L		K40- 8	31Y	49	219	K54-12	31Y	49	241
A 843R		K40- 5	31Y	49	219	K54- 9	31Y	49	241
A 844	3	K41- 2	31Y	49	220	TB7-19B	19N	43	33
A 845	10		250 220 50 64 56 5				250 220 52	7A	
A 845A	2	SHLD A845	25N			E73-8	38N		236
A 845L		K41- 7	31Y	49	220	K56- 7	31Y	48	243

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AB | SHEET 120 OF 150

GNW WIRING HARNESS A AR 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.
A 845R		K41- 4	31Y	49	220	K56-10	31Y	49	243
A 846	3	K42-18	31Y	49	221	K43- 1	31Y	48	222
A 847	3	K42- 2	31Y	49	221	K43- 2	31Y	48	222
A 848	3	K43- 1	31Y		222	K59- 1	31Y	48	249
A 849	3	K43- 2	31Y		222	K59- 2	31Y	48	249
A 850	10		250 220 50 64 56 5				250 220 52	7A	
A 850A	2	SHLD A850	25N			E73-8	38N		236
A 850L		K43-14	31Y	49	222	TB17- 2D	19N	42	261
A 850R		K43-17	31Y	49	222	TB17- 1D	19N	42	261
A 851	3	K44-18	31Y	49	223	K45- 1	31Y		224
A 852	3	K44- 2	31Y	48	223	K45- 2	31Y	48	224
A 853	3	K44- 2	31Y		223	TB7-18E	19N	43	33
A 854	3	K44- 4	31Y	49	223	K45-19	31Y	49	224
A 855	10		250 220 50 64 56 5				250 220 52	7A	
A 855A	2	SHLD A855	25N			E73-8	38N		236
A 855L		K44-10	31Y		223	K59-16	31Y		249
A 855R		K44- 7	31Y		223	K59-19	31Y		249
A 856	10		250 220 50 64 56 5				250 220 52	7A	

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AB | SHEET 121 OF 150

GNW WIRING HARNESS A AR 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.
A 856A	2	SHLD A856	25N			E73-8	38N		236
A 856L		K44-11	31Y	49	223	TB11-16D	19N	42	37
A 856R		K44- 8	31Y	49	223	TB11-15D	19N	42	37
A 857	10		250 220 50 64 56 5				250 220 52	7A	
A 857A	2	SHLD A857	25N			E73-8	38N		236
A 857L		K44-16	31Y		223	K59-10	31Y		249
A 857R		K44-13	31Y		223	K59-13	31Y		249
A 858	10		250 220 50 64 56 5				250 220 52	7A	
A 858A	2	SHLD A858	25N			E73-8	38N		236
A 858L		K44-17	31Y	49	223	TB11-18D	19N	42	37
A 858R		K44-14	31Y	49	223	TB11-17D	19N	42	37
A 859	10		250 220 50 64 56 5				250 220 52	7A	
A 859A	2	SHLD A859	25N			E73-8	38N		236
A 859L		K45- 7	31Y		224	K59- 4	31Y		249
A 859R		K45- 4	31Y		224	K59- 7	31Y		249
A 860	10		250 220 50 64 56 5				250 220 52	7A	
A 860A	2	SHLD A860	25N			E73-8	38N		236
A 860L		K45- 8	31Y	49	224	K59- 5	31Y	48	249

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AR | SHEET 122 OF 150

GNW WIRING HARNESS A AR 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.
A 860R		K45- 5	31Y	49	224	K59- 8	31Y	48	249
A 861	10		250 220 50 64 56 5				250 220 52	7A	
A 861A	2	SHLD A861	25N			E73-8	38N		236
A 861L		K45-13	31Y		224	K60-10	31Y		250
A 861R		K45-10	31Y		224	K60-13	31Y		250
A 862	10		250 220 50 64 56 5				250 220 52	7A	
A 862A	2	SHLD A862	25N			E73-8	38N		236
A 862L		K45-14	31Y	49	224	K60-11	31Y	48	250
A 862R		K45-11	31Y	49	224	K60-14	31Y	48	250
A 863	3	K46-18	31Y	49	225	K47- 1	31Y	48	226
A 864	3	K46- 2	31Y	49	225	K47- 2	31Y	48	226
A 865	3	K47- 2	31Y		226	K64- 2	31Y	48	254
A 866	10		250 220 50 64 56 5				250 220 52	7A	
A 866A	2	SHLD A866	25N			E75-8	38N		238
A 866L		K47-16	31Y	49	226	TB17- 4D	19N	42	261
A 866R		K47-17	31Y	49	226	TB17- 3D	19N	42	261
A 867	3	K48-18	31Y	49	227	K49- 1	31Y		228
A 868	3	K48- 2	31Y	48	227	K49- 2	31Y	48	228

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AR | SHEET 123 OF 150

GNW

WIRING HARNESS A

AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO
A 869	3	K48- 2	31Y			227	TB7-17D	19N	43		33
A 870	3	K48- 4	31Y	49		227	K49-15	31Y	49		228
A 871	10		250 220 50 64 56 5					250 220 52		7A	
A 871A	2	SHLD A871	25N				E75-B	38N			238
A 871L		K48-10	31Y			227	K63-16	31Y			253
A 871R		K48- 7	31Y			227	K63-19	31Y			253
A 872	10		250 220 50 64 56 5					250 220 52		7A	
A 872A	2	SHLD A872	25N				E75-B	38N			238
A 872L		K48-11	31Y	49		227	TB11-12F	19N	42		37
A 872R		K48- 8	31Y	49		227	TB11-11E	19N	42		37
A 873	10		250 220 50 64 56 5					250 220 52		7A	
A 873A	2	SHLD A873					E75-B	38N			238
A 873L		K48-16	31Y			227	K63-10	31Y			253
A 873R		K48-13	31Y			227	K63-13	31Y			253
A 874	10		250 220 50 64 56 5					250 220 52		7A	
A 874A	2	SHLD A874	25N				E75-B	38N			238
A 874L		K48-17	31Y	49		227	TB11-10E	19N	42		37
A 874R		K48-14	31Y	49		227	TB11- 9E	19N	42		37

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AB | SHEET 124 OF 150

GNW

WIRING HARNESS A

AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO
A 875	10		250 220 50 64 56 5					250 220 52		7A	
A 875A	2	SHLD A875	25N				E75-B	38N			238
A 875L		K49- 7	31Y			228	K63- 4	31Y			253
A 875R		K49- 4	31Y			228	K63- 7	31Y			253
A 876	10		250 220 50 64 56 5					250 220 52		7A	
A 876A	2	SHLD A876	25N				E75-B	38N			238
A 876L		K49- 8	31Y	49		228	K63- 5	31Y	48		253
A 876R		K49- 5	31Y	49		228	K63- 8	31Y	48		253
A 877	10		250 220 50 64 56 5					250 220 52		7A	
A 877A	2	SHLD A877	25N				E75-B	38N			238
A 877L		K49-13	31Y			228	K64-10	31Y			254
A 877R		K49-10	31Y			228	K64-13	31Y			254
A 878	10		250 220 50 64 56 5					250 220 52		7A	
A 878A	2	SHLD A878	25N				E75-B	38N			238
A 878L		K49-14	31Y	49		228	K64-11	31Y	48		254
A 878R		K49-11	31Y	49		228	K64-14	31Y	48		254
A 879	3	K50-18	31Y	49		229	K51- 1	31Y	48		230
A 880	3	K50- 2	31Y	49		229	K51- 2	31Y	48		230

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AB | SHEET 125 OF 150

GNW

WIRING HARNESS A

AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO
A 881	10		250 220 50 64 56 5					250 220 52		7A	
A 881A	2	SHLD A881	25N				E75-B	38N			238
A 881L		K50-14	31Y	49		229	TR17- 6D	19N	42		261
A 881R		K50-17	31Y	49		229	TB17- 5D	19N	42		261
A 882	3	K51- 1	31Y			230	K67- 1	31Y	48		257
A 883	3	K51- 2	31Y			230	K68- 2	31Y	48		258
A 884	3	K52-18	31Y	49		231	K53- 1	31Y			232
A 885	3	K52- 2	31Y	48		231	K53- 2	31Y	48		232
A 886	3	K52- 2	31Y			231	TB7-16D	19N	43		33
A 887	3	K52- 4	31Y	49		231	K53-15	31Y	49		232
A 888	1	K52-10	31Y	49		231	TB11-14E	19N	42		37
A 889	1	K52- 7	31Y	49		231	K67-19	31Y			257
A 890	10		250 220 50 64 56 5					250 220 52		7A	
A 890A	2	SHLD A890	25N				E76-B	38N			240
A 890L		K52-11	31Y	49		231	K67-17	31Y	48		257
A 890R		K52- 8	31Y	49		231	K67-20	31Y	48		257
A 891	1	K52-13	31Y	49		231	K67-13	31Y			257
A 892	1	K52-16	31Y	49		231	TB11- 8E	19N	42		37

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AB | SHEET 126 OF 150

GNW

WIRING HARNESS A

AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO
A 893	10		250 220 50 64 56 5					250 220 52		7A	
A 893A	2	SHLD A893	25N				E76-B	38N			240
A 893L		K52-17	31Y	49		231	K67-11	31Y	48		257
A 893R		K52-14	31Y	49		231	K67-14	31Y	48		257
A 894	10		250 220 50 64 56 5					250 220 52		7A	
A 894A	2	SHLD A894	25N				E76-B	38N			240
A 894L		K53- 7	31Y			232	K67- 4	31Y			257
A 894R		K53- 4	31Y			232	K67- 7	31Y			257
A 895	10		250 220 50 64 56 5					250 220 52		7A	
A 895A	2	SHLD A895	25N				E76-B	38N			240
A 895L		K53- 8	31Y	49		232	K67- 5	31Y	48		257
A 895R		K53- 5	31Y	49		232	K67- 8	31Y	48		257
A 896	10		250 220 50 64 56 5					250 220 52		7A	
A 896A	2	SHLD A896	25N				E76-B	38N			240
A 896L		K53-12	31Y			232	K68-10	31Y			258
A 896R		K53-10	31Y			232	K68-13	31Y			258
A 897	10		250 220 50 64 56 5					250 220 52		7A	
A 897A	2	SHLD A897	25N				E76-B	38N			240

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AB | SHEET 127 OF 150

GNW | WIRING HARNESS A | AB | 1900712

CONDUCTOR NUMBER	ITEM NO	INDIVIDUAL LENGTH 3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 1	2	TERMINATION SPEC 1	NO ITEM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 1	2	TERMINATION SPEC 1	NO ITEM NO
A 897L			K53-14	31Y	49	232	K68-11	31Y	48	258
A 897R			K53-11	31Y	49	232	K68-14	31Y	48	258
A 898	3		K54- 2	31Y		241	TB7-19E	19N	43	33
A 899	10			250 220 50 64 56 5				250 220 52		7A
A 899A	2		SHLD A899	25N			E71-8	38N		234
A 899L			K54-16	31Y	49	241	K55- 8	31Y	49	242
A 899R			K54- 3	31Y	49	241	K55- 5	31Y	49	242
A 900	10			250 220 50 64 56 5				250 220 52		7A
A 900A	2		SHLD A900	25N			E71-8	38N		234
A 900L			K54- 8	31Y		241	K55- 7	31Y		242
A 900R			K54- 5	31Y		241	K55- 4	31Y		242
A 901	10			250 220 50 64 56 5				250 220 52		7A
A 901A	2		SHLD A901	25N			E71-8	38N		234
A 901L			K54-14	31Y	49	241	K56- 7	31Y	49	243
A 901R			K54-11	31Y	49	241	K56- 4	31Y	48	243
A 902	3		K55- 2	31Y	49	242	TB7-19D	19N	43	33
A 903	3		K56- 2	31Y	49	243	TB7-18B	19N	43	33
A 904	7			250 220 52 63 56 5				200 170 53		7A

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AB | SHEET 128 OF 150

GNW | WIRING HARNESS A | AB | 1900712

CONDUCTOR NUMBER	ITEM NO	INDIVIDUAL LENGTH 3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 1	2	TERMINATION SPEC 1	NO ITEM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 1	2	TERMINATION SPEC 1	NO ITEM NO
A 904A	2		SHLD A904	25N			E71-R	38N		234
A 904W			K56- 3	31Y	49	243	E4	25Y		246
A 905	10			250 220 50 64 56 5				250 220 52		7A
A 905A	2		SHLD A905	25N			E71-R	38N		234
A 905L			K56- 6	31Y	49	243	E2	25Y		244
A 905R			K56- 9	31Y	49	243	E3	25Y		245
A 906	3		K57-15	31Y	48	247	K58- 1	31Y	49	248
A 907	3		K57- 2	31Y	48	247	TB7-18C	19N	43	33
A 908	3		K57- 2	31Y		247	K58- 2	31Y	49	248
A 909	10			250 220 50 64 56 5				250 220 52		7A
A 909A	2		SHLD A909	25N			E72-R	38N		235
A 909L			K57- 3	31Y	49	247	K61- 9	31Y	48	251
A 909R			K57- 6	31Y	49	247	K61- 6	31Y	48	251
A 910	10			250 200 50 64 56 5				250 220 52		7A
A 910A	2		SHLD A910	25N			E72-8	38N		235
A 910L			K57- 5	31Y	49	247	K60-11	31Y		250
A 910R			K57- 8	31Y	49	247	K60-14	31Y		250
A 911	10			250 220 50 64 56 5				250 220 52		7A

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AB | SHEET 129 OF 150

GNW | WIRING HARNESS A | AB | 1900712

CONDUCTOR NUMBER	ITEM NO	INDIVIDUAL LENGTH 3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 1	2	TERMINATION SPEC 1	NO ITEM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 1	2	TERMINATION SPEC 1	NO ITEM NO
A 911A	2		SHLD A911	25N			E72-R	38N		235
A 911L			K57- 9	31Y	49	247	K61- 9	31Y	48	251
A 911R			K57-12	31Y	49	247	K61-12	31Y	48	251
A 912	10			250 220 50 64 56 5				250 220 52		7A
A 912A	2		SHLD A912	25N			E72-8	38N		235
A 912L			K57-11	31Y	49	247	K59- 5	31Y		249
A 912R			K57-14	31Y	49	247	K59- 8	31Y		249
A 913	10			250 220 50 64 56 5				250 220 52		7A
A 913A	2		SHLD A913	25N			E72-R	38N		235
A 913L			K58- 3	31Y	49	248	K62- 3	31Y	48	252
A 913R			K58- 6	31Y	49	248	K62- 6	31Y	48	252
A 914	10			250 220 50 64 56 5				250 220 52		7A
A 914A	2		SHLD A914	25N			E72-R	38N		235
A 914L			K58- 8	31Y	49	248	K59-11	31Y		249
A 914R			K58- 5	31Y	49	248	K59-14	31Y		249
A 915	10			250 220 50 64 56 5				250 220 52		7A
A 915A	2		SHLD A915	25N			E72-8	38N		235
A 915L			K58- 9	31Y	49	248	K62- 9	31Y	48	252

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AB | SHEET 130 OF 150

GNW | WIRING HARNESS A | AB | 1900712

CONDUCTOR NUMBER	ITEM NO	INDIVIDUAL LENGTH 3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 1	2	TERMINATION SPEC 1	NO ITEM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 1	2	TERMINATION SPEC 1	NO ITEM NO
A 915R			K58-12	31Y	49	248	K62-12	31Y	48	252
A 916	10			250 220 50 64 56 5				250 220 52		7A
A 916A	2		SHLD A916	25N			E72-8	38N		235
A 916L			K58-11	31Y	49	248	K59-17	31Y		249
A 916R			K58-14	31Y	49	248	K59-20	31Y		249
A 917	3		K59- 1	31Y		249	K60- 1	31Y		250
A 918	3		K59- 2	31Y		249	K60- 2	31Y	48	250
A 919	10			250 220 50 64 56 5				250 220 52		7A
A 919A	2		SHLD A919	25N			E72-8	38N		235
A 919L			K59-11	31Y	48	249	TB11-18E	19N	42	37
A 919R			K59-14	31Y	48	249	TB11-17E	19N	42	37
A 920	10			250 220 50 64 56 5				250 220 52		7A
A 920A	2		SHLD A920	25N			E72-R	38N		235
A 920L			K59-17	31Y	48	249	TB11-16E	19N	42	37
A 920R			K59-20	31Y	48	249	TB11-15E	19N	42	37
A 921	3		K60- 2	31Y		250	TB7-18D	19N	43	33
A 922	3		K61-15	31Y	49	251	K62- 1	31Y	49	252
A 923	3		K61- 2	31Y	48	251	K62- 2	31Y	49	252

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AB | SHEET 131 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC NO ITEM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC NO ITEM NO
A 924	3	K61- 2	31Y	251 TB7-17A	19N 43 33
A 925	10		250 220 50 64 56 5	250 220 52	7A
A 925A	2	SHLD A925	25N	E74-8	38N 237
A 925L		K61- 3	31Y	251 K65- 3	31Y 255
A 925R		K61- 6	31Y	251 K65- 6	31Y 255
A 926	10		250 220 50 64 56 5	250 220 52	7A
A 926A	2	SHLD A926	25N	E74-8	38N 237
A 926L		K61- 5	31Y 49	251 K64-11	31Y 254
A 926R		K61- 8	31Y 49	251 K64-14	31Y 254
A 927	10		250 220 50 64 56 5	250 220 52	7A
A 927A	2	SHLD A927	25N	E74-8	38N 237
A 927L		K61- 9	31Y	251 K65- 9	31Y 255
A 927R		K61-12	31Y	251 K65-12	31Y 255
A 928	10		250 220 50 64 56 5	250 220 52	7A
A 928A	2	SHLD A928	25N	E74-8	38N 237
A 928L		K61-11	31Y 49	251 K63- 5	31Y 253
A 928R		K61-14	31Y 49	251 K63- 8	31Y 253
A 929	10		250 220 50 64 56 5	250 220 52	7A

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AB | SHEET 132 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC NO ITEM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC NO ITEM NO
A 929A	2	SHLD A929	25N	E74-3	38N 237
A 929L		K62- 3	31Y	252 K66- 3	31Y 256
A 929R		K62- 6	31Y	252 K66- 6	31Y 256
A 930	10		250 220 50 64 56 5	250 220 52	7A
A 930A	2	SHLD A930	25N	E74-8	38N 237
A 930L		K62- 8	31Y 49	252 K63-11	31Y 48 253
A 930R		K62- 5	31Y 49	252 K63-14	31Y 48 253
A 931	10		250 220 50 64 56 5	250 220 52	7A
A 931A	2	SHLD A931	25N	E74-8	38N 237
A 931L		K62- 9	31Y	252 K66- 9	31Y 256
A 931R		K62-12	31Y	252 K66-12	31Y 256
A 932	10		250 220 50 64 56 5	250 220 52	7A
A 932A	2	SHLD A932	25N	E74-8	38N 237
A 932L		K62-11	31Y 49	252 K63-17	31Y 48 253
A 932R		K62-14	31Y 49	252 K63-20	31Y 48 253
A 933	3	K63- 1	31Y 48	253 K64- 1	31Y 254
A 934	3	K63- 2	31Y 48	253 K64- 2	31Y 254
A 935	3	K63- 2	31Y	253 TB7-17C	19N 43 33

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AB | SHEET 133 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC NO ITEM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC NO ITEM NO
A 936	10		250 220 50 64 56 5	250 220 52	7A
A 936A	2	SHLD A936	25N	E74-8	38N 237
A 936L		K63-11	31Y	253 TB11-10D	19N 42 37
A 936R		K63-14	31Y	253 TB11- 9D	19N 42 37
A 937	10		250 220 50 64 56 5	250 220 52	7A
A 937A	2	SHLD A937	25N	E74-8	38N 237
A 937L		K63-17	31Y	253 TB11-12D	19N 42 37
A 937R		K63-20	31Y	253 TB11-11D	19N 42 37
A 938	3	K65-15	31Y 49	255 K66- 1	31Y 49 256
A 939	3	K65- 2	31Y 48	255 K66- 2	31Y 49 256
A 940	3	K65- 2	31Y	255 TB7-17E	19N 43 33
A 941	10		250 220 50 64 56 5	250 220 52	7A
A 941A	2	SHLD A941	25N	E76-8	38N 240
A 941L		K65- 5	31Y 49	255 K68-14	31Y 258
A 941R		K65- 8	31Y 49	255 K68-11	31Y 258
A 942	10		250 220 50 64 56 5	250 220 52	7A
A 942A	2	SHLD A942	25N	E76-8	38N 240
A 942L		K65-11	31Y 49	255 K67- 5	31Y 257

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AB | SHEET 134 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC NO ITEM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC NO ITEM NO
A 942R		K65-14	31Y 49	255 K67- 8	31Y 257
A 943	10		250 220 50 64 56 5	250 220 52	7A
A 943A	2	SHLD A943	25N	E76-8	38N 240
A 943L		K66- 5	31Y 49	256 K67-11	31Y 257
A 943R		K66- 8	31Y 49	256 K67-14	31Y 257
A 944	10		250 220 50 64 56 5	250 220 52	7A
A 944A	2	SHLD A944	25N	E76-8	38N 240
A 944L		K66-11	31Y 49	256 K67-17	31Y 257
A 944R		K66-14	31Y 49	256 K67-20	31Y 257
A 945	3	K67- 1	31Y	257 K68- 1	31Y 258
A 946	3	K67- 2	31Y 48	257 K68- 2	31Y 258
A 947	3	K67- 2	31Y	257 TB7-16C	19N 43 33
A 948	1	K67-10	31Y	257 TB11- 8D	19N 42 37
A 949	1	K67-16	31Y	257 TB11-14D	19N 42 37
A 950	3	P1-A	22N	118 K7- 7	31Y 49 46
A 951	3	P1-B	31Y 90	118 TB7-16B	19N 43 33
A 952	1	P1-C	31Y 90	118 K25- 8	31Y 49 705
A 953	1	P1-D	22N	118 TB1-22	25Y 103

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AB | SHEET 135 OF 150

CONDUCTOR NUMBER	CONDUCTOR INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO	FROM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO	TO NO
A 954	1	P1-U	22N	88 89	118 K25- 4	31Y	208
A 955	1	P1-C	22N		118 P4-F	22N	117
A 956	1	P1-V	31Y	90	118 K25- 1	31Y 49	205
A 957	1	P1-W	22N	88 89	118 K25- 7	31Y 49	206
A 958	1	P1-X	31Y	90	118 TB7-12B	19N 42	33
A 959	1	P1-W	22N		118 TB1-24	25Y	102
A 960	1	P2-D*	31Y	90	119 K7- 1	31Y 49	46
A 961	1	P4-X	22N		117 P6-D*	22N 88 89	114
A 962	1	P4-D*	31Y	90	117 K8- 2	31Y 47	39
A 963	1	P6-N	22N		114 K8-13	31Y 47	30
A 964	1	P6-D*	22N		114 P8-D*	22N 88 89	115
A 965	1	P8-C*	22N		115 P9-A	22N	116
A 966	1	P8-D*	31Y		115 P10-D*	22N 88 89	112
A 967	1	P10-D*	22N		112 K8- 4	31Y	39
A 969	3	TB1- 1	25Y		111 TB6- 7B	19N 43	38
A 970	3	TB6- 7A	19N	99	38 TB7-15B	19N 43	33
A 971	3	TB7-15C	19N	43	33 TB12- 1	25Y	182
A 972	6	TB8-16	31N	41	34 TB14-16	31N 41	265

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE-NONE REV LTR AB SHEET 136 OF 150

CONDUCTOR NUMBER	CONDUCTOR INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO	FROM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO	TO NO
A 973	6	TB8- 2	31N 41	34	TB16-16	31N 41	262
A 974	5	TB8-12	19N 40	34	TB10- 2	19N 40	36
A 975	6	TB8-14	31N 41	34	TB9- 2	31N 41	35
A 976	6	J30-S	41Y 46	314	TB15-16	31N 41	264
A 977	4	XF1- 2	31Y	147	TB5- 7	19N 40	59
A 978	6	XF2- 2	31Y	146	TB5- 8	31 41	57
A 979	4	XF3- 2	31Y	138	TB5- 9	19N 40	55
A 980	4	XF4- 2	31Y	137	TB5-10	19N 40	53
A 981	3	E20-AA	38N	22	E80-B	38N	24
A 982	3	E21-BB	38N	9	E79-B	38N	23
A 983	3	E22-AB	38N	2	E79-B	38N	23
A 984	3	E23-BB	38N	4	E79-B	38N	23
A 985	3	E24-BB	38N	6	E79-B	38N	23
A 986	3	E25-BB	38N	7	E79-B	38N	23
A 987	3	E26-BB	38N	9	E81-B	38N	11
A 988	3	E27-AB	38N	10	E81-B	38N	11
A 989	3	E28-AA	38N	14	E81-B	38N	11
A 990	3	E29-BB	38N	15	E81-B	38N	11

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE-NONE REV LTR AB SHEET 137 OF 150

CONDUCTOR NUMBER	CONDUCTOR INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO	FROM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO	TO NO
A 991	3	E30-BB	38N	13	E31-B	38N	11
A 992	4	E31-BB	38N	11	TB15- 6	31N 40	264
A 993	3	E32-BB	38N	27	E80-B	38N	24
A 994	3	E33-BB	38N	28	E80-B	38N	24
A 995	3	E34-BB	38N	31	E80-B	38N	24
A 996	3	E35-BB	38N	30	E80-B	38N	24
A 997	3	E36-BB	38N	155	E39-B	38N	151
A 998	3	E37-BB	38N	156	E39-B	38N	151
A 999	3	E38-BB	38N	157	E39-B	38N	151
A1000	4	E39-BB	38N	151	TB15- 8	19N 40	264
A1001	4	E40-BB	38N	169	TB15- 9	19N 40	266
A1002	3	E41-BB	38N	170	E40-B	38N	169
A1003	3	E42-BB	38N	171	E40-B	38N	169
A1004	3	E89-B	38N	162	E40-B	38N	169
A1005	3	E90-BB	38N	163	E40-B	38N	169
A1006	3	E45-BB	38N	161	E49-B	38N	164
A1007	3	E46-BB	38N	160	E49-B	38N	164
A1008	3	E47-BB	38N	161	E49-B	38N	164

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE-NONE REV LTR AB SHEET 138 OF 150

CONDUCTOR NUMBER	CONDUCTOR INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO	FROM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO	TO NO
A1009	3	E48-BB	38N	167	E49-B	38N	164
A1010	3	E49-BB	38N	164	TB15-10	19N 40	264
A1011	3	E50-BB	38N	312	E81-B	38N	310
A1012	3	E51-BB	38N	313	E81-B	38N	310
A1013	3	E52-BB	38N	308	E81-B	38N	310
A1014	3	E53-BB	38N	309	E81-B	38N	310
A1015	3	E54-BB	38N	305	E81-B	38N	310
A1016	3	E55-BB	38N	306	E82-B	38N	272
A1017	3	E56-BB	38N	302	E88-B	38N	270
A1018	3	E57-BB	38N	299	E64-B	38N	277
A1019	3	E58-BB	38N	297	E64-B	38N	277
A1020	3	E59-BB	38N	296	E82-B	38N	272
A1021	3	E60-BB	38N	294	F82-B	38N	272
A1022	3	E62-BB	38N	292	E88-B	38N	270
A1023	3	E63-BB	38N	278	E64-B	38N	277
A1024	4	E64-BB	38N	277	TB15-11	19N 40	264
A1025	3	E65-BB	38N	276	E88-B	38N	270
A1026	3	E66-BB	38N	273	E88-B	38N	270

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE-NONE REV LTR AB SHEET 139 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT		TERMINATION SPEC ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT		TERMINATION SPEC ITEM NO.	NO.
A1026	3	E66-BB	38N		279	E88-B	38N		270
A1027	3	E67-BB	38N		269	E88-B	38N		270
A1028	3	E68-BB	38N		179	E77-B	38N		259
A1029	3	E69-BB	38N		181	E77-B	38N		259
A1030	3	E70-BB	38N		233	E77-B	38N		259
A1031	3	E71-BB	38N		234	E78-B	38N		239
A1032	3	E72-BB	38N		235	E78-B	38N		239
A1033	3	E73-BB	38N		236	E78-B	38N		239
A1034	3	E74-BB	38N		237	E78-B	38N		239
A1035	3	E75-BB	38N		238	E78-B	38N		239
A1036	3	E76-BB	38N		240	E77-B	38N		259
A1037	4	E77-BB	38N		259	TB15- 7	19N	40	264
A1038	4	E78-BB	38N		259	TB15- 5	19N	40	264
A1039	4	E79-BB	38N		23	TB15- 2	19N	40	264
A1040	4	E80-BB	38N		24	TB15- 4	19N	40	264
A1041	4	E81-BB	38N		310	TB15-12	19N	40	264
A1042	4	E82-BB	38N		272	TB15-13	19N	40	264
A1043		DELETED							

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE-NONE | REV LTR AC | SHEET 140 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT		TERMINATION SPEC ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT		TERMINATION SPEC ITEM NO.	NO.
A1044		DELETED							
A1045		DELETED							
A1046		DELETED							
A1047	4	E87-BB	38N		263	TB16- .6	19N	40	262
A1048	4	K6-10	31Y	41	89	E15	25Y		42
A1049	4	E88-BB	38N		270	TB15-14	19N	40	264
A1051	3	E43-BB	38N		152	E39-B	38N		151
A1052	3	E44-BB	38N		153	E39-B	38N		151
A1053	3	K67- 1	31Y		226	K63- 1	31Y		253
A1054	9		28Q 25Q 52 63 55 5				28Q 25Q 53	7A	
A1054A	2	SHLD A1054	25N			E65-B	38N		276
A1054W		J43-E	22N		275	TB8- 3D	19N	43	38
A1055	10		28Q 25Q 50 64 56 5				28Q 25Q 52	7A	
A1055A	2	SHLD A1055	25N			E33-B	38N		28
A1055L		J10-F*	22N		29	J34-D	22N		301
A1055R		J10-E*	22N		29	J34-C	22N		301
A1056	7		28Q 25Q 52 63 54 5				28Q 25Q 53	7A	
A1056A	2	SHLD A1056	25N			E33-B	38N		28

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE-NONE | REV LTR AC | SHEET 141 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	3	TERMINATION SPEC 1	ITEM NO	NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	3	TERMINATION SPEC 1	ITEM NO	NO
A1057	7	280 250 52 63 54 5					250 220 59				7A
A1057A	2	SHLD A1057	25N				E33-R	38N			28
A1057W		J10-H*	22N			29	XF18- 2	31Y			129
A1060	3	E61-BB	38N			271	E82-B	38N			272
A1061	3	J31-D*	22N			311	TB13-16D	19N	43		266
A1062	3	E91-BB	38N			21	E79-B	38N			23
A1063	1	P10-T	22N			112	P11-A	22N			113
A1064	1	P10-U	22N			112	P11-B	22N			113
A1065	1	P10-V	22N			112	P11-C	22N			113
A1066	1	P10-W	22N			112	P11-D	22N			113
A1067	1	P10-X	22N			112	P11-E	22N			113
A1068	1	P10-Y	22N			112	P11-F	22N			113
A1069	1	P10-Z	22N			112	P11-G	22N			113
A1070	1	P10-A*	22N			112	P11-H	22N			113
A1071	1	P10-R*	22N			112	P11-J	22N			113
A1072	1	P10-C*	22N			112	P11-K	22N			113
A1073	4	E92-BB	38N			148	TB16-11	19N	40		262
A1074	3	E93-BB	38N			172	E40-R	38N			169

1. THE STD CONDUCTOR TERMINATION [illegible] ARE PER [illegible]
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AR | SHEET 142 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	F/H	TERMINATION SPEC ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	F/H	TERMINATION SPEC ITEM NO.	NO.
A1074	3	E93-8B	38N		172	E40-8	38N		169
A1075	3	E94-8A	38N		303	E88-8	38N		270
A1076	4	J30-4	41Y	46	314	TB19- 3	19N	40	264
A1077		DELETED							
A1078	5	J9-C	22N		26	J26-C	22N		159
A1083	3	J7-C	22N		20	XF19- 1	31Y		136
A1084	3	J7-B	22N		20	TB7-15E	19N	43	33
A1085	3	TB7- 8D	19N	43	33	K34-16	31Y	48	241
A1086	3	TB7- 8E	19N	43	33	K42-19	31Y	48	221
A1087	3	K42-19	31Y		221	K44-19	31Y	48	223
A1088	3	K44-19	31Y		223	K46-19	31Y	48	225
A1089	3	K46-19	31Y		225	K48-19	31Y	48	227
A1090	3	K48-19	31Y		227	K50-19	31Y	48	229
A1091	3	K50-19	31Y		229	K52-19	31Y	49	231
A1092	3	K54-16	31Y		241	K57-16	31Y	48	243
A1093	3	K57-16	31Y		247	K61-16	31Y	48	251
A1094	3	K61-16	31Y		251	K65-16	31Y	48	255
A1095	3	K65-16	31Y		255	K33-12	31Y	48	212

△1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
△2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AC | SHEET 143 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	F/H	TERMINATION SPEC ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	F/H	TERMINATION SPEC ITEM NO.	NO.
A1096	3	K33-12	31Y		212	K31-12	31Y	49	210
A1097	3	TB7-12F	19N	43	33	K2-12	19N	49	44
A1098	3	TB7-12E	19N	43	33	XF19- 2	31Y		136
A1099	3	TB7- 8C	19N	43	33	XF19- 2	31Y		136
A1100	3	K34- 4	31Y		213	K37- 1	31Y		216
A1101	3	K34-11	31Y		213	K36-11	31Y		215
A1102	1	K31- 2	31Y		210	T812-16	25Y		190
A1103	1	K31-11	31Y		210	T812-15	25Y		191
A1104		DELETED							
A1105	3	TB6- 6C	19N	43	38	TB8- 6	19N	39	94
A1106	6	J40-2	41Y	48	290	TB15-15	31N	41	264
A1107	10		230	200 50 64 56 5			250	220 52	7A
A1107A	2	SHLD A1107	25N			E48-8	38N		167
A1107L	4	J27-C	22N		168	K21- 3	31Y		180
A1107R		J27-A	22N		168	K21- 5	31Y		180
A1108	10		230	200 50 64 56 5			250	220 52	7A
A1108A	2	SHLD A1108	25N			E48-8	38N		167
A1108L		J25-C	22N		154	K21- 2	31Y		180

△1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
△2 DIMENSIONS ARE IN INCHES AND TWO-PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AC | SHEET 144 OF 150

GNW

WIRING HARNESS A

AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC ITEM NO	NO
A1109	12	250 220 90 67 59 5			250 220 51	7A	
A1109A	2	SHLD A1109 25N			E44-B 38N		153
A1109L		J25-J* 22N		154	K37-13 31Y	49	216
A1109R		J25-I* 22N		154	K37-16 31Y	49	216
A1110	12	250 220 90 67 59 5			250 220 51	7A	
A1110A	2	SHLD A1110 25N			E24-B 38N		6
A1110L		J3-L 22N		5	K37-14 31Y	49	216
A1110R		J3-K 22N		8	K37-17 31Y	49	216
A1111	4	J25-Q* 22N		154	TR12-19 25Y		191C
A1112	3	J42-E* 22N		275	TR12-17 25Y		191A
A1113	3	J43-F 22N		275	K3-10 31Y	47	50
A1114	3	K3- 8 31Y	47	50	K4- 9 31Y	47	49
A1115	3	K4-10 31Y	47	49	TR14-14 19N	39	265

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS

SIZE A

1900712

SCALE - NONE | REV LTR AB | SHEET 149 OF 150

MULTIPLE CONNECTED ITEMS		
TERM NO.	REF DESIG	ITEM NO.
1	J1	71
2	E22	36, 38
3	E21	36, 38
4	E23	36, 38
5	J2	18
6	E24	35, 37
7	E25	35, 37
8	J3	19
9	E26	36, 38
10	E27	36, 38
11	E31	36, 38
12	J4	20
13	E30	36, 38
14	E28	36, 38
15	E29	36, 38
16	J5	21
17	J6	22
~~18~~	~~E85~~	~~35, 37~~
~~19~~	~~E86~~	~~35, 37~~
20	J7	23
21	E91	35, 37
22	E20	36, 38

MULTIPLE CONNECTED ITEMS		
TERM NO.	REF DESIG	ITEM NO.
23	E79	36, 38
24	E80	36, 38
25	J8	24
26	J9	25
27	E32	36, 38
28	E33	36, 38
29	J10	26
30	E35	35, 37
31	E34	36, 38
32	J11	27
112	P10	78
113	P11	79
114	P6	76
115	P8	80
116	P9	77
117	P4	75
118	P1	73
119	P2	74
148	E92	35, 37
149	J21	28
~~150~~	~~E84~~	~~35, 37~~
151	E39	35, 37

CODE IDENT NO.	SIZE	
99974	A	1900712
SCALE NONE	REV LTR AC	SHEET 146 OF 150

MIL 2065 5-62

MULTIPLE CONNECTED ITEMS		
TERM NO.	REF DESIG	ITEM NO.
152	E43	35, 37
153	E44	35, 37
154	J25	30
155	E36	35, 37
156	E37	36, 38
157	E38	35, 37
158	J22	25
159	J26	19
160	E46	35, 37
161	E47	35, 37
161A	E45	35, 37
162	E89	36, 38
163	E90	36, 38
164	E49	35, 37
165	J23	29
167	E48	36, 38
168	J27	26
169	E40	35, 37
170	E41	36, 38
171	E42	36, 38
172	E93	36, 38
173	J24	20

MULTIPLE CONNECTED ITEMS		
TERM NO.	REF DESIG	ITEM NO.
179	E68	35, 37
181	E69	36, 38
233	E70	36, 38
234	E71	36, 38
235	E72	36, 38
236	E73	36, 38
237	E74	36, 38
238	E75	36, 38
239	E78	36, 38
240	E76	36, 38
259	E77	35, 37
~~260~~	~~E83~~	~~36, 38~~
263	E87	35, 37
267	J46	34
268	J45	71
269	E67	35, 37
270	E88	36, 38
271	E61	35, 37
272	E82	35, 37
273	E66	36, 38
274	J44	32
275	J43	85

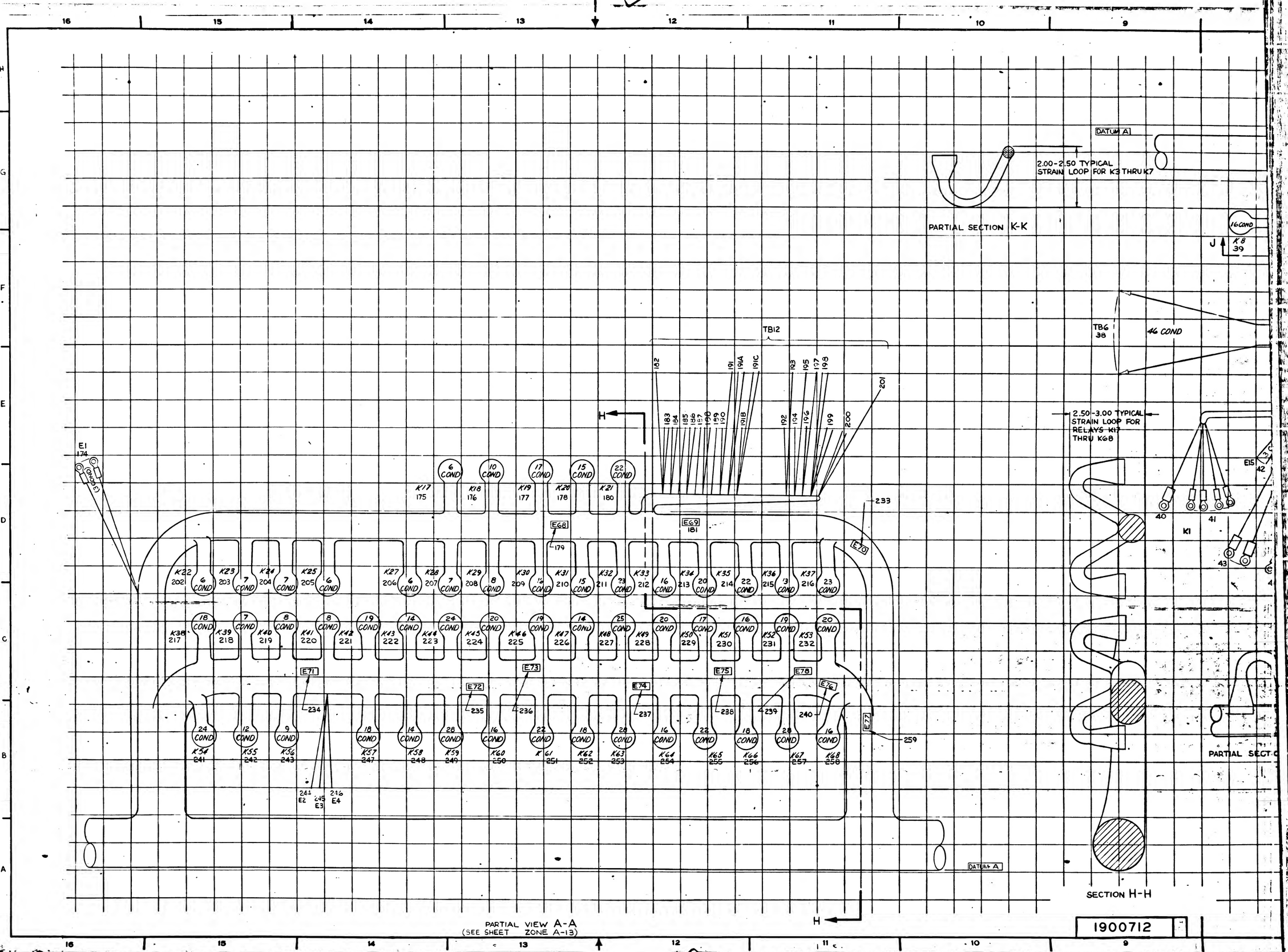
CODE IDENT NO.	SIZE	
99974	A	1900712
SCALE NONE	REV LTR AC	SHEET 147 OF 150

MIL 2065 5-62

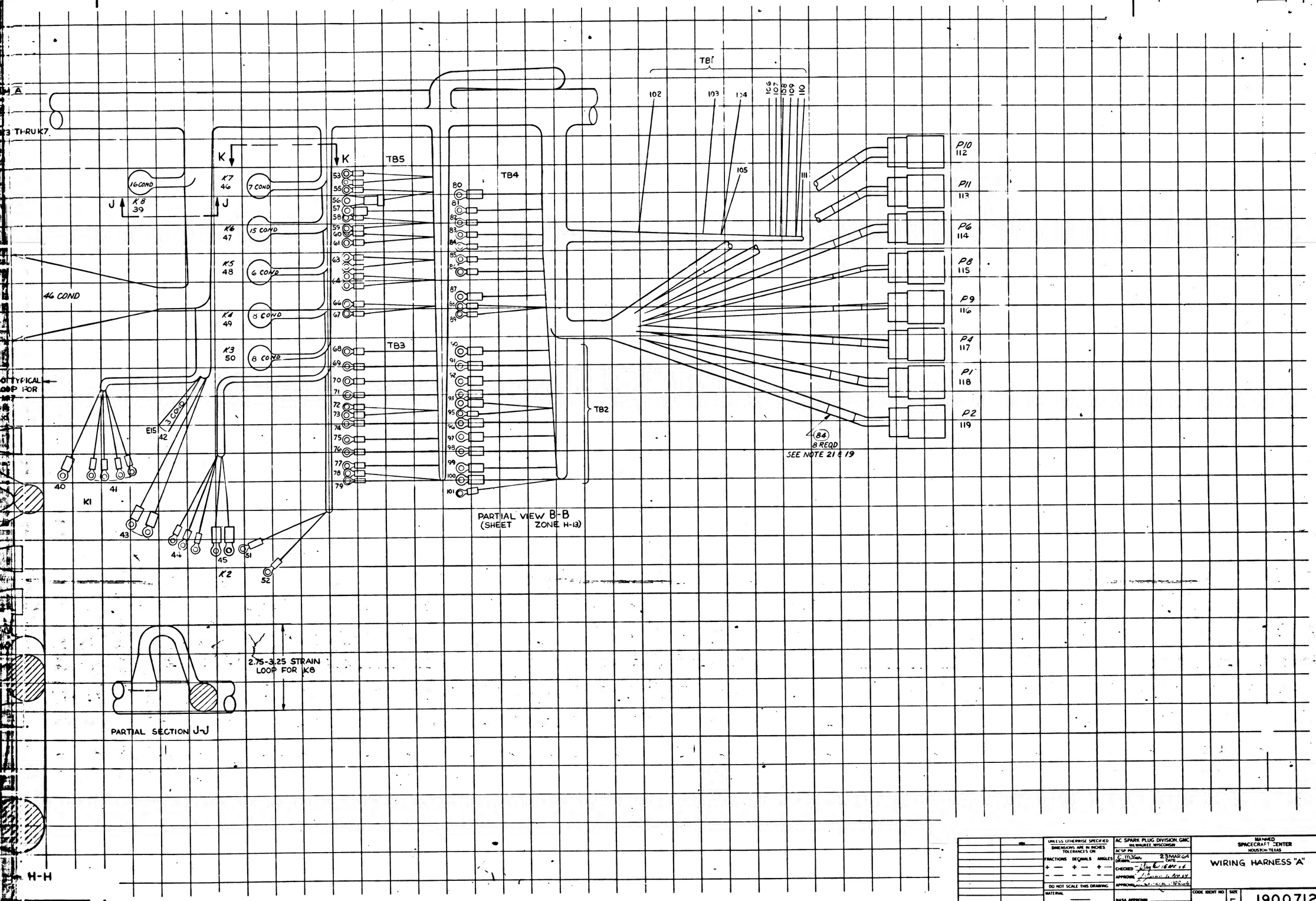
MULTIPLE CONNECTED ITEMS		
TERM NO.	REF DESIG	ITEM NO.
276	E65	36, 38
277	E64	35, 37
278	E63	36, 38
279	J42	30
280	J41	20
290	J40	33
291	J39	29
292	E62	36, 38
293	J38	26
294	E60	36, 38
295	J37	21
296	E59	35, 37
297	E58	36, 38
298	J36	26
299	E57	36, 38
300	J35	25
301	J34	24
302	E56	36, 38
303	E94	36, 38
304	J33	20
305	E54	36, 38
306	E55	36, 38

MULTIPLE CONNECTED ITEMS		
TERM NO.	REF DESIG	ITEM NO.
307	J32	19
308	E52	36, 38
309	E53	35, 37
310	E81	36, 38
311	J31	27
312	E50	36, 38
313	E51	35, 37
314	J30	31

CODE IDENT NO	SIZE	
99974	A	1900712
SCALE NONE	REV LTR AB	SHEET 148 OF 150


DATUM A
2.00-2.50 TYPICAL STRAIN LOOP FOR K3 THRU K7
PARTIAL SECTION K-K
16 COND
K8 39
J
TB6 38
46 COND
TB12
2.50-3.00 TYPICAL STRAIN LOOP FOR RELAYS K17 THRU K68
E15 42
40
41
43
K1
E1 174
3 COND
6 COND K17 175
10 COND K18 176
17 COND K19 177
15 COND K20 178
22 COND K21 180
E68 179
E69 181
E70
233
K22 202 6 COND
K23 203 7 COND
K24 204 7 COND
K25 205 6 COND
K27 206 6 COND
K28 207 7 COND
K29 208 8 COND
K30 209 12 COND
K31 210 15 COND
K32 211 23 COND
K33 212 16 COND
K34 213 20 COND
K35 214 22 COND
K36 215 13 COND
K37 216 23 COND
K38 217 18 COND
K39 218 7 COND
K40 219 8 COND
K41 220 8 COND
K42 221 19 COND
K43 222 14 COND
K44 223 24 COND
K45 224 20 COND
K46 225 19 COND
K47 226 14 COND
K48 227 25 COND
K49 228 20 COND
K50 229 17 COND
K51 230 16 COND
K52 231 19 COND
K53 232 20 COND
E71 234
E72 235
E73 236
E74 237
E75 238
E76 239
E78 240
E77 259
K54 241 24 COND
K55 242 12 COND
K56 243 9 COND
K57 247 18 COND
K58 248 14 COND
K59 249 28 COND
K60 250 16 COND
K61 251 22 COND
K62 252 18 COND
K63 253 28 COND
K64 254 16 COND
K65 255 22 COND
K66 256 18 COND
K67 257 28 COND
K68 258 16 COND
241 E2
245 E3
246 E4
DATUM A
PARTIAL SECTION
SECTION H-H
PARTIAL VIEW A-A
(SEE SHEET ZONE A-13)
1900712

1/1900712



REVISIONS

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —

DO NOT SCALE THIS DRAWING

MATERIAL —

CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

AC SP PN
DRAWN C. Williams 23 MAR 64 DATE
CHECKED 16 APR 64
APPROVAL 11 Nov 64
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON TEXAS

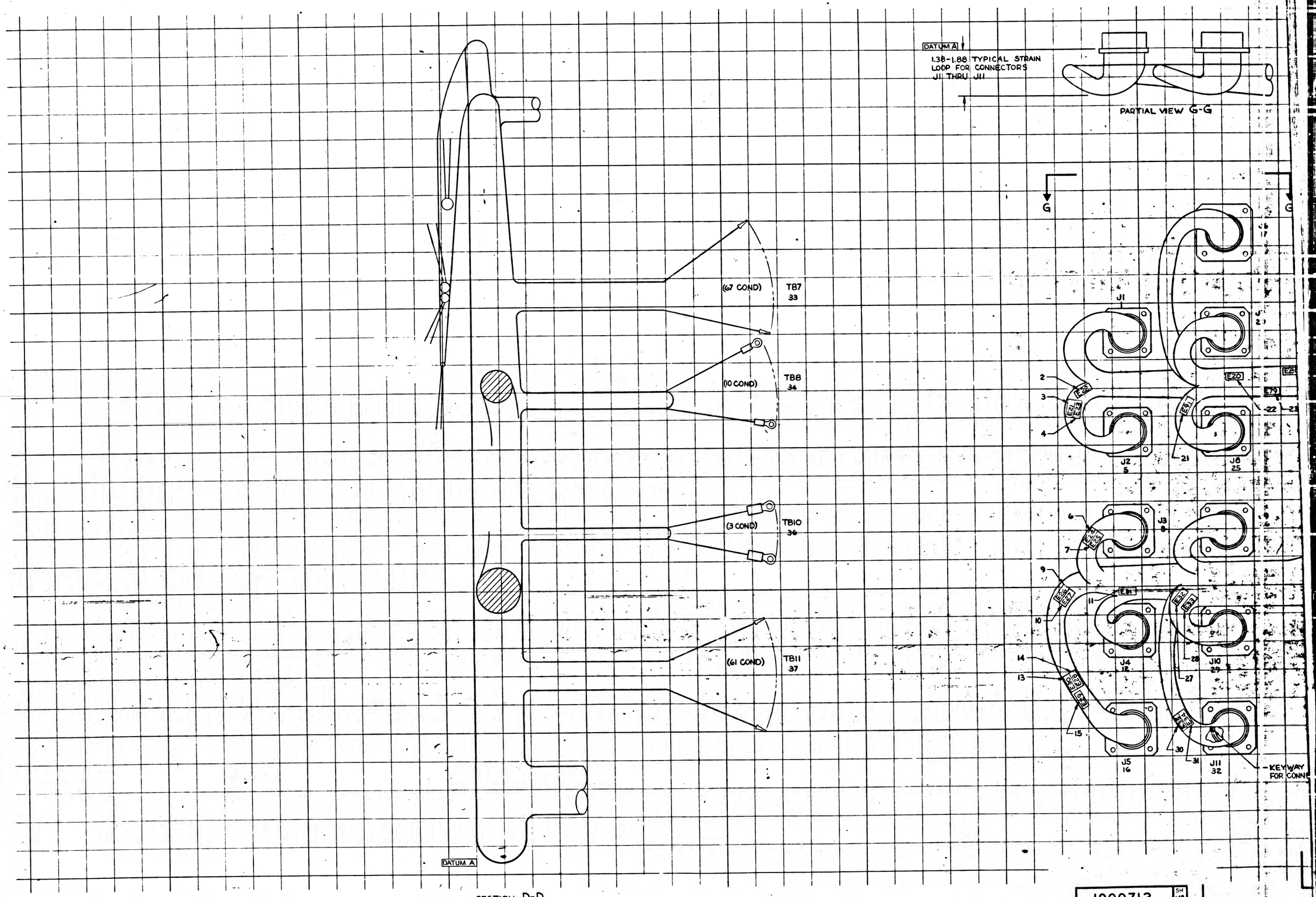
WIRING HARNESS "A"

CODE IDENT NO | SIZE E | 1900712

SCALE FULL | SHEET 150 of 150

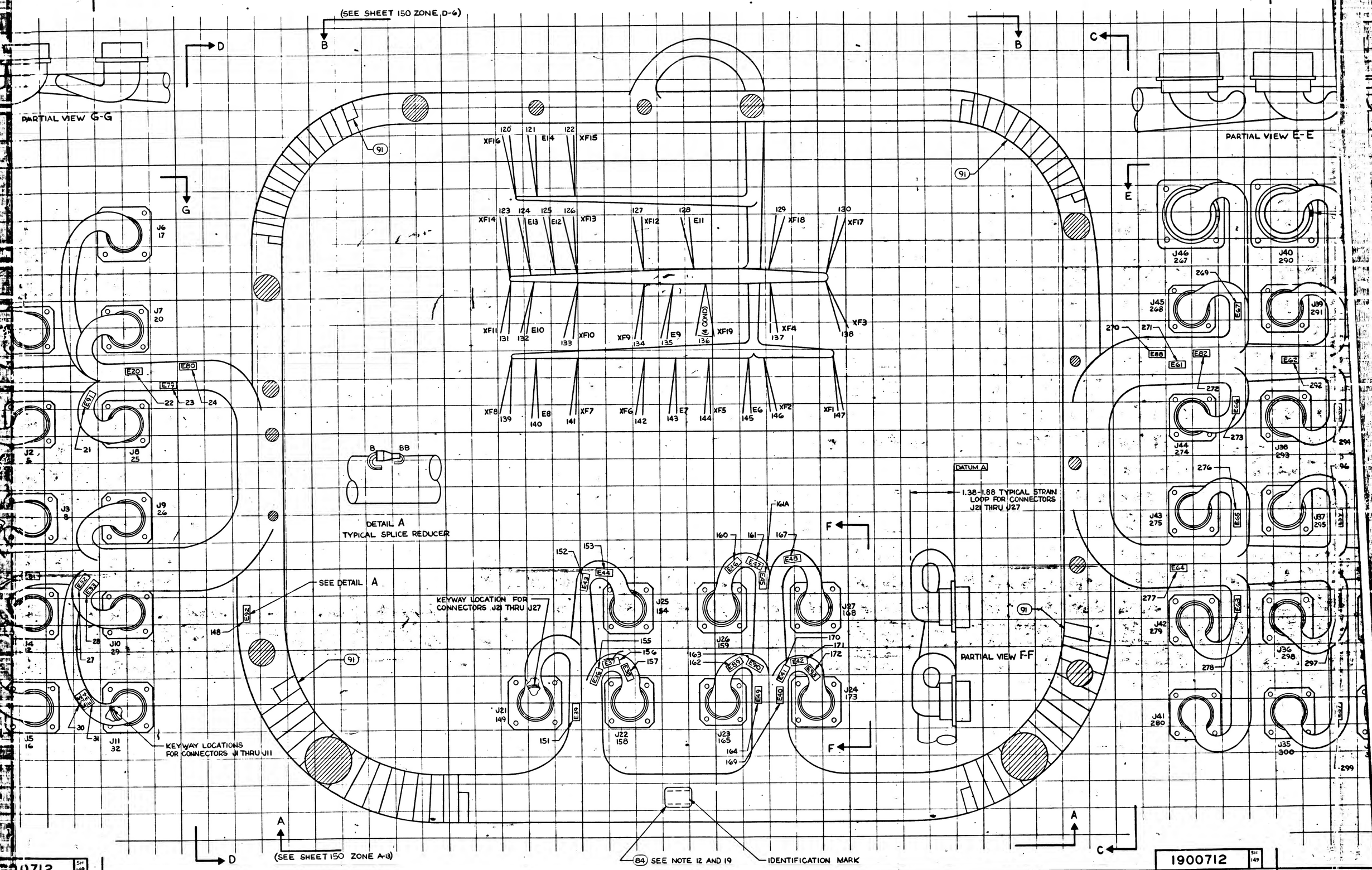
1900712

2/1900712

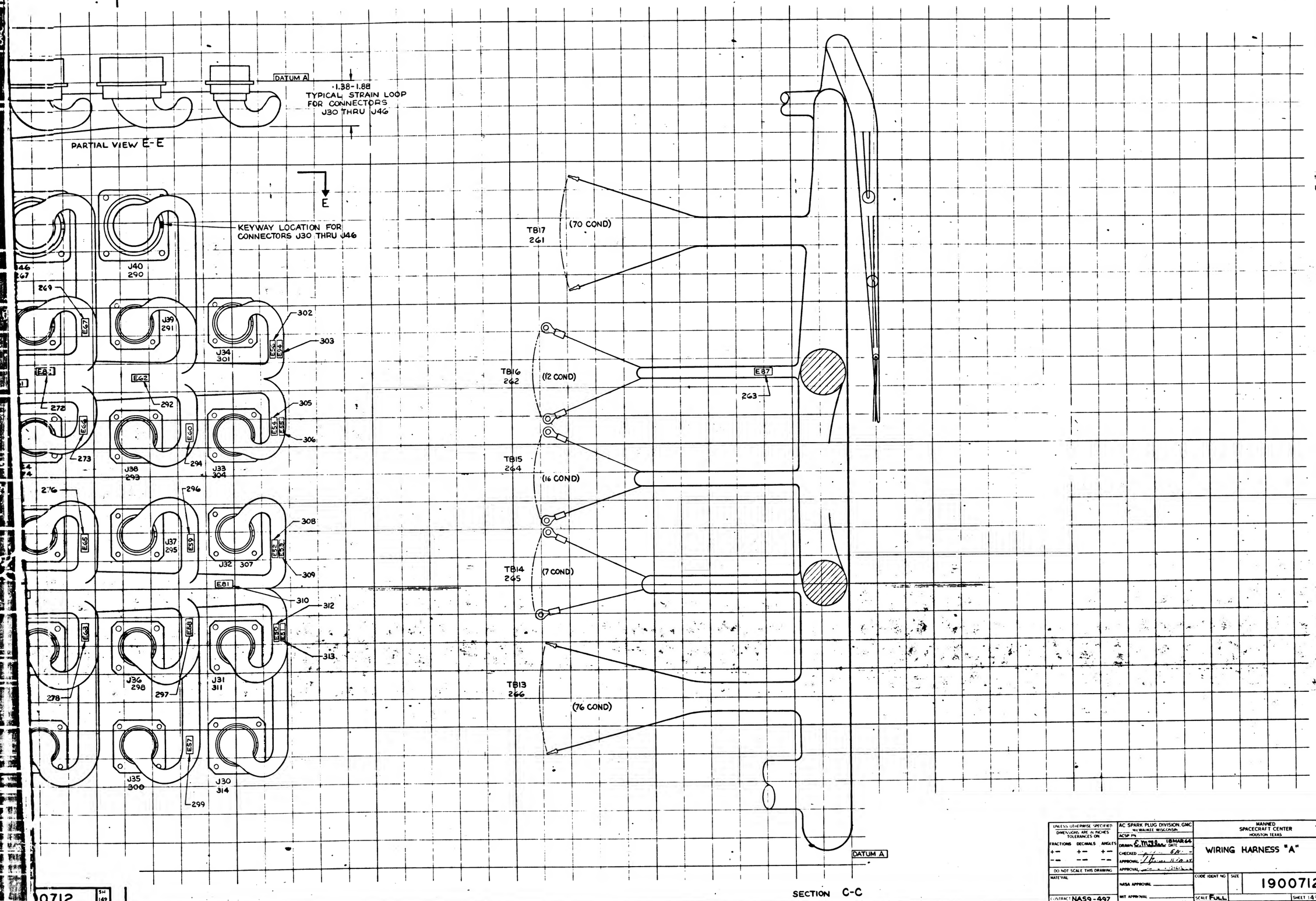


1900712 SH 149

17/1900712


(SEE SHEET 150 ZONE D-6)
PARTIAL VIEW G-G
PARTIAL VIEW E-E
PARTIAL VIEW F-F
DETAIL A
TYPICAL SPLICE REDUCER
SEE DETAIL A
KEYWAY LOCATION FOR CONNECTORS J21 THRU J27
KEYWAY LOCATIONS FOR CONNECTORS J1 THRU J11
DATUM A
1.38-1.88 TYPICAL STRAIN LOOP FOR CONNECTORS J21 THRU J27
(SEE SHEET 150 ZONE A-B)
SEE NOTE 12 AND 19
IDENTIFICATION MARK
(4 COND)

2719001712



SECTION C-C

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPD
		CHG NO		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL

AC SPARK PLUG DIVISION, GMC
MILWAUKEE WISCONSIN
ACSP PN
DRAWN C. Mizell 18MAR64 DATE
CHECKED
APPROVAL
APPROVAL
NASA APPROVAL
MIT APPROVAL
CONTRACT NAS9-497

MANNED SPACECRAFT CENTER
HOUSTON TEXAS

WIRING HARNESS "A"

CODE IDENT NO | SIZE | 1900712
SCALE FULL | SHEET 149 of 150

1900712

0712 SH 149

3 71 9 0 0 7 1 2

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROV
1900433-011	1900433-011	H	REPLACES REV G WITH CHANGE PER CM-192749 REVISED PER TDR	22 JAN 64	
		J	CHANGE IN ACCORDANCE WITH CM 192932	24 JAN 64	JJJ DLF
		K	CHANGE IN ACCORDANCE WITH CM 193260 TDRR 10174	27 FEB 64	JJJ DLF
		L	CHANGE IN ACCORDANCE WITH CM 193478	28 JAN 64	JJJ DLF
		M	CHANGE IN ACCORDANCE WITH CM 193830	3 JAN 64	JJJ DLF
		N	CHANGE IN ACCORDANCE WITH CM 194572 REVISED PER TDR 10175	7 FEB 64	JJJ DLF
		P	CHANGE IN ACCORDANCE WITH CM 195030	6 MAR 64	EF
		R	CHANGE IN ACCORDANCE WITH CM 195502	10 MAR 64	

FOR INFORMATION ONLY

CLASS B RELEASE TDR No. 02937 DATE 9-7-63

(H) REPLACES REV G WITH CHANGE

REV	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AC	AC	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
SHEET	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	
REV STATUS OF SHEETS	REV																										
SHEET	AD	AD	AD	AB	AB	AB	AB	AC	AB	AC	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
	1	1A	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18								

AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
ACSP PN	
DRAWN GESCHKE 23 OCT 63 DATE	WIRING HARNESS A JUNCTION BOX - GSE
CHECKED C. PIOJDA 7 NOV 63	
APPROVAL J. ZIINO 8 NOV 63	
APPROVAL	
NASA APPROVAL / MIT APPROVAL	CODE IDENT NO. / SIZE A / 1900712 / REV AD
CONTRACT NAS 9-497	SCALE — / SHEET 1 OF 150

REVISIONS

SYM	DESCRIPTION	DATE	APPROVAL
S	CHANGE IN ACCORDANCE WITH CM 200708 TDRR 10176	16 MAR 64	
T	CHANGE IN ACCORDANCE WITH CM 195875 TDRR 10177	20 MAR 64	
U	CHANGE IN ACCORDANCE WITH CM 200740	28 APR 64	
V	CHANGE IN ACCORDANCE WITH CM 196007	4 MAY 64	
W	CHANGE IN ACCORDANCE WITH CM 196112	13 MAY 64	
Y	CHANGE IN ACCORDANCE WITH CM 196165 TDRR 10178	22 MAY 64	
Z	CHANGE IN ACCORDANCE WITH CM 197018 11256	18 JUN 64	FK
AA	CHANGE IN ACCORDANCE WITH CM 197396 11178	19 JUN 64	JJJ CP
AB	CHANGE IN ACCORDANCE WITH CM 197463 11179	19 JUN 64	JJJ CP
AC	CHANGE IN ACCORDANCE WITH CM 197464 11197	19 JUN 64	JJJ CP
AD	CHANGE IN ACCORDANCE WITH CM 197681 11176	20 JUN 64	JJJ CP

	MANNED SPACECRAFT CENTER HOUSTON, TEXAS	REVISION AD	NASA DRAWING NO. 1900712 SHEET 1A OF 150

REVISION STATUS OF SHEETS

SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV
45	AB	81	AC	117	AB										
46	AB	82	AB	118	AB										
47	AB	83	AB	119	AB										
48	AB	84	AB	120	AB										
49	AB	85	AB	121	AB										
50	AB	86	AB	122	AB										
51	AB	87	AB	123	AB										
52	AB	88	AB	124	AB										
53	AB	89	AB	125	AB										
54	AB	90	AB	126	AB										
55	AB	91	AB	127	AB										
56	AC	92	AC	128	AB										
57	AB	93	AB	129	AB										
58	AC	94	AC	130	AB										
59	AD	95	AB	131	AB										
60	AB	96	AB	132	AB										
61	AB	97	AB	133	AB										
62	AB	98	AC	134	AB										
63	AB	99	AC	135	AB										
64	AB	100	AB	136	AB										
65	AB	101	AB	137	AB										
66	AB	102	AC	138	AB										
67	AB	103	AB	139	AB										
68	AB	104	AB	140	AC										
69	AB	105	AB	141	AC										
70	AB	106	AB	142	AB										
71	AB	107	AB	143	AC										
72	AB	108	AB	144	AC										
73	AC	109	AB	145	AB										
74	AB	110	AB	146	AC										
75	AB	111	AB	147	AC										
76	AD	112	AB	148	AB										
77	AC	113	AB	149	AC										
78	AB	114	AB	150	AB										
79	AB	115	AC												
80	AB	116	AB												

	MANNED SPACECRAFT CENTER HOUSTON, TEXAS	REVISION AD	NASA DRAWING NO. 1900712 SHEET 2 OF 150

PENNANT NOTE — GENERAL NOTES

1 SEE CONDUCTOR CHART, PENNANT NOTE 1.

2 SEE CONDUCTOR CHART, PENNANT NOTE 2.

3 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70927.

4 MARK CONDUCTOR IDENTIFICATION PER ND1002019.

5 MARK CONDUCTOR IDENTIFICATION ON SINGLE CONDUCTORS PER ND1002019 OMITTING ALL SUFFIX LETTERS EXCEPT A AND B.

6 SPACING OF CONDUCTOR IDENTIFICATION SHALL BE EVERY 1.2 INCHES.

7 SPIRALLING OF THE MARKING IS ALLOWED.

8 MARK SLEEVING WITH REFERENCE DESIGNATION AS SHOWN .12 INCH HIGH, COLOR BLACK PER ND1002019.

9 MARK SLEEVING ON SHIELD TERMINATIONS OF MULTI-CONDUCTORS WITH THE CONDUCTOR NUMBER .12 INCH HIGH, COLOR BLACK, PER ND1002019

10 DELETED

11 LACE HARNESS USING ITEM 81

12 IDENTIFY USING DRAWING NO. AND REVISION LETTER .12 INCHES HIGH CHARACTERS, BLACK, PER ND1002019

13 SOLDER PER MIL-STD-448 USING ITEMS 82 AND 83.

14 Y OR N IN TINNED COLUMN INDICATES YES OR NO.

15 A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.

16 VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.

PENNANT NOTE — GENERAL NOTES

17 GRID MODULE IS 1 INCH.

18 UNLESS OTHERWISE SPECIFIED ---
FEATURE CENTERLINES ARE LOCATED WITHIN + OR - .25 INCH.
END OF HOOKUP WIRES OR ACCESSORIES ARE LOCATED WITHIN + OR - .12 INCH.

19 FASTEN MARKER SECURELY WITH ITEM 81. WRAP MARKER TO CONFORM TO CABLE CONFIGURATION.

20 THE SUFFIX LETTER OF A CONDUCTOR IDENTIFICATION NUMBER INDICATES CONDUCTOR SHIELDING, COLOR, OR MARKING.
A - FROM END SHIELD
B - TO END SHIELD
L - WHITE WITH BLUE TRACER
R - WHITE WITH RED TRACER
Y - WHITE WITH YELLOW TRACER

21 IDENTIFY BY CONNECTOR NUMBER, P1, P2, P4, P6, P8, P9, P10, AND P11 AS REQUIRED, .12 INCHES HIGH, CHARACTERS BLACK

PENNANT NOTE — GENERAL NOTES

TOLERANCE CHART, UNLESS OTHERWISE SPECIFIED ---

APPLICABLE LENGTH FOR WIRE OR CABLE, STRIP WIRE, STRIP JACKET, CUT WIRE OR CUT SHIELD.	TOLERANCE STRIP WIRE	STRIP JACKET	CUT WIRE	CUT SHIELD
UNDER 1 INCH	+.03-.00	+.06-.06	+.06-.06	+.06-.06
1 INCH TO 6 INCHES	+.06-.00	+.25-.25	+.25-.25	+.25-.25
6 INCHES TO 6 FEET		+.50-.50	+.50-.50	+.50-.50

PENNANT — LIST OF MATERIALS

NOTE	ITEM	QTY	PART NO	DESCRIPTION
	1	1	1900712-001	WIRE ND1002181 TYPE 1 CLASS 1 24AWG WHT 1360 FT TOTAL LENGTH
	2	1	1900712-002	WIRE ND1002181 TYPE 1 CLASS 1 22AWG WHT 3438 FT TOTAL LENGTH
	3	1	1900712-003	WIRE ND1002181 TYPE 1 CLASS 1 20AWG WHT 2660 FT 2 INCHES TOTAL LENGTH
	4	1	1900712-004	WIRE ND1002181 TYPE 1 CLASS 1 16AWG WHT 324 FT 7 INCHES TOTAL LENGTH
	5	1	1900712-005	WIRE ND1002181 TYPE 1 CLASS 1 14AWG WHT 112 FT TOTAL LENGTH
	6	1	1900712-006	WIRE ND1002181 TYPE 1 CLASS 1 12AWG WHT 242 FT 7 INCHES TOTAL LENGTH
	7	1	1900712-007	WIRE ND1002181 TYPE 1 CLASS 4 WHT JKT 24AWG WHT 432 FT TOTAL LENGTH
	8	1	1900712-008	WIRE ND1002181 TYPE 1 CLASS 4 WHT JKT 22AWG WHT 48 FT TOTAL LENGTH
	9	1	1900712-009	WIRE ND1002181 TYPE 1 CLASS 4 WHT JKT 20AWG WHT 48 FT TOTAL LENGTH
	10	1	1900712-010	WIRE ND1002181 TYPE 2 CLASS 4 WHT JKT 24AWG (WHT-BLUE, WHT-RED) 2168 FT TOTAL LENGTH
	11	1	1900712-011	WIRE ND1002181 TYPE 2 CLASS 4 WHT JKT 22AWG (WHT-BLUE, WHT-RED) 352 FT TOTAL LENGTH
	12	1	1900712-012	WIRE ND1002181 TYPE 2 CLASS 4 WHT JKT 20AWG (WHT-BLUE, WHT-RED) 176 FT TOTAL LENGTH

PENNANT LIST OF MATERIALS

NOTE	ITEM	QTY	PART NO	DESCRIPTION
	13			DELETED (1900712-013)
	14	1	1900712-014	WIRE ND1002181 TYPE 3 CLASS 4 WHT JKT 24AWG (WHT-BLUE, WHT-RED, WHT-YEL) 240 FT TOTAL LENGTH
	15	1	1900712-015	WIRE ND1002181 TYPE 3 CLASS 4 WHT JKT 22AWG (WHT-BLUE, WHT-RED, WHT-YEL) 56 FT TOTAL LENGTH
	16	1	1900712-016	WIRE ND1002181 TYPE 3 CLASS 4 WHT JKT 20AWG (WHT-BLUE, WHT-RED, WHT-YEL) 48 FT TOTAL LENGTH
	17	1	1900712-017	WIRE ND1002181 TYPE 1 CLASS 1 8AWG WHT 16 FT TOTAL LENGTH
	18	1	MS3127E22-55P	(1897053-550) CONNECTOR-RECEPTACLE, ELECTRICAL
	19	5	MS3127E24-61SX	(1897056-612) CONNECTOR-RECEPTACLE ELECTRICAL
	20	4	MS3127E24-61S	(1897056-610) CONNECTOR-RECEPTACLE, ELECTRICAL
	21	2	MS3127E24-61SY	(1897056-613) CONNECTOR-RECEPTACLE ELECTRICAL
	22	1	MS3102E28-10P	(1897108-100) CONNECTOR-RECEPTACLE, ELECTRICAL
	23	1	MS3127E22-55PX	(1897053-552) CONNECTOR-RECEPTACLE ELECTRICAL
	24	2	MS3127E22-55S	(1897054-550) CONNECTOR-RECEPTACLE, ELECTRICAL
	25	3	MS3127E24-61P	(1897055-610) CONNECTOR-RECEPTACLE, ELECTRICAL
	26	4	MS3127E24-61SW	(1897056-611) CONNECTOR-RECEPTACLE ELECTRICAL
	27	2	MS3127E24-61SZ	(1897056-614) CONNECTOR-RECEPTACLE ELECTRICAL
	28	1	MS3102A28-20S	(1896853-200) CONNECTOR-RECEPTACLE, ELECTRICAL

PENNANT LIST OF MATERIALS

NOTE	ITEM	QTY	PART NO	DESCRIPTION
	29	2	MS3127E22-55SX	(1897054-212) CONNECTOR-RECEPTACLE ELECTRICAL
	30	2	MS3127E24-61PW	(1897055-611) CONNECTOR-RECEPTACLE ELECTRICAL
	31	1	MS3102A28-20SW	(1896853-201) CONNECTOR-RECEPTACLE ELECTRICAL
	32	1	MS3127E22-55SW	(1897054-551) CONNECTOR-RECEPTACLE ELECTRICAL
	33	1	MS3102A36-9S	(1896854-090) CONNECTOR-RECEPTACLE, ELECTRICAL
	34	1	MS3102A36-9SW	(1896854-091) CONNECTOR-RECEPTACLE, ELECTRICAL
16	35	25	1016006-002	SPLICE REDUCER
16	36	46	1016006-003	SPLICE REDUCER
16	37	25	1010490-258	INSULATION SLEEVING, ELECTRICAL, HEAT SHRINK
16	38	46	1010490-256	INSULATION SLEEVING, ELECTRICAL, HEAT SHRINK
16	39	17	1015902- 3	TERMINAL-LUG
16	40	45	1015902- 8	TERMINAL-LUG
16	41	38	1015902- 12	TERMINAL-LUG
16	42	227	1015966-001	TERMINAL-TIP, CONTACT
16	43	91	1015966-003	TERMINAL-TIP, CONTACT
	44			DELETED (1015902- 45)
16	45	12	1015902- 46	TERMINAL-LUG
16	46	84	1015864-225	INSULATION-SLEEVING, ELECTRICAL

PENNANT LIST OF MATERIALS

NOTE	ITEM	QTY	PART NO	DESCRIPTION
16	47	166	1015864-227	INSULATION-SLEEVING, ELECTRICAL
16	48	172	1015864-169	INSULATION-SLEEVING, ELECTRICAL
16	49	273	1015864-167	INSULATION-SLEEVING, ELECTRICAL
16	50	309	1010490-194	INSULATION SLEEVING, ELECTRICAL, HEAT SHRINK
16	51	130	1010490-286	INSULATION SLEEVING, ELECTRICAL, HEAT SHRINK
16	52	365	1010490-198	INSULATION SLEEVING, ELECTRICAL, HEAT SHRINK
16	53	66	1010490-200	INSULATION SLEEVING, ELECTRICAL, HEAT SHRINK
16	54	54	1000243-003	FERRULE, ELECTRICAL CONDUCTOR
16	55	12	1000243-004	FERRULE, ELECTRICAL CONDUCTOR
16	56	274	1000243-008	FERRULE, ELECTRICAL CONDUCTOR
16	57	35	1000243-009	FERRULE, ELECTRICAL CONDUCTOR
	58			DELETED (1000243-011)
16	59	24	1000243-014	FERRULE, ELECTRICAL CONDUCTOR
16	60	6	1000243-015	FERRULE, ELECTRICAL CONDUCTOR
	61			DELETED (1000243-023)
	62			DELETED (1000242-002)
16	63	66	1000242-004	FERRULE, ELECTRICAL CONDUCTOR
16	64	274	1000242-007	FERRULE, ELECTRICAL CONDUCTOR

PENNANT LIST OF MATERIALS

NOTE	ITEM	QTY	PART NO	DESCRIPTION
16	65	39	1000242-008	FERRULE, ELECTRICAL CONDUCTOR
16	66	7	1000242-011	FERRULE, ELECTRICAL CONDUCTOR
16	67	24	1000242-012	FERRULE, ELECTRICAL CONDUCTOR
16	68	6	1000242-016	FERRULE, ELECTRICAL CONDUCTOR
	69			DELETED (1000242-018)
16	70	2	1015864-187	INSULATION-SLEEVING, ELECTRICAL
16	71	2	MS3127E22-55PW	(1897053-551) CONNECTOR-RECEPTACLE ELECTRICAL
16	72	2	1016048- 15	TERMINAL-LUG
16	73	1	1016059-100	CONNECTOR
16	74	1	1016059-101	CONNECTOR
16	75	1	1016059-103	CONNECTOR
16	76	1	1016059-105	CONNECTOR
16	77	1	1016059-106	CONNECTOR
16	78	1	1016059-107	CONNECTOR
16	79	1	1016059-108	CONNECTOR
16	80	1	1016059-110	CONNECTOR
	81	AR	MIL-T-713	LACING TAPE TYPE P CLASS 2 BLACK (ES-2732 NO. 18)
	82	AR	QQ-S-571	SOLDER SN60 (ES-2175 ALLOY 1)

PENNANT LIST OF MATERIALS

NOTE	ITEM	QTY	PART NO	DESCRIPTION
	83	AR	QQ-S-571	FLUX TYPE AR (ES-2175 TYPE 1 OR 2) OR MIL-F-14256 FLUX (ES-2798)
16	84	9	1016128-001	BAND-IDENTIFICATION BLANK
	85	1	MS3127E24-61PX	(1897055-612) CONNECTOR-RECEPTACLE ELECTRICAL
16	86	50	1000243-011	FERRULE, ELECTRICAL CONDUCTOR
16	87	43	1000242-010	FERRULE, ELECTRICAL CONDUCTOR
16	88	5	1016287-002	ADAPTER-WIRE, SOLDER POT, COPPER CRIMP STYLE
16	89	7	1015864-194	INSULATION-SLEEVING, ELECTRICAL
16	90	49	1015864-284	INSULATION-SLEEVING, ELECTRICAL
	91	AR	MIL-I-15126F	INSULATION-TAPE, ELECTRICAL, PRESSURE SENSITIVE THERMO SETTING ADHESIVE TYPE ACT .75 PLUS OR MINUS .03 WIDE (ES-2716 TYPE C)
16	92	4	1015864-220	INSULATION-SLEEVING, ELECTRICAL

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 11 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	5	ITEM NO	TERMINATION SPEC 1	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	5	ITEM NO	TERMINATION SPEC 1	NO.
A 1	1		J1-E*	22N				1	J35-C*	22N				300
A 2	1		J1-D*	22N				1	J41-B*	22N				280
A 3	11			180	150	51	87 86 5			250	220	51	7A	
A 3A	2		SHLD A3	25N					E20-B	38N				22
A 3L			J1-K*	22N				1	E11	25Y				128
A 3R			J1-J*	22N				1	XF12- 2	31Y				127
A 4	11			230	200	51	87 86 5			250	200	51	7A	
A 4A	2		SHLD A4	25N					E20-B	38N				22
A 4L			J1-N*	22N				1	E9	25Y				135
A 4R			J1-M*	22N				1	XF9- 2	31Y				134
A 5	11			280	250	51	87 86 5			250	220	51	7A	
A 5A	2		SHLD A5	25N					E20-B	38N				22
A 5L			J1-Q*	22N				1	E7	25Y				143
A 5R			J1-P*	22N				1	XF6- 2	31Y				142
A 6	3		J1-S*	22N				1	T812- 4	25Y				184
A 7	10			330	300	50	64 56 5			250	220	52	7A	
A 7A	2		SHLD A7	25N					E20-B	38N				22
A 7L			J1-U*	22N				1	K18- 2	31Y		46		176

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 12 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	5	ITEM NO	TERMINATION SPEC 1	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	5	ITEM NO	TERMINATION SPEC 1	NO.
A 7R			J1-T*	22N				1	K18- 6	31Y		46		176
A 8	3		J1-V*	22N				1	T812- 2	25Y				183
A 9	3		J1-X*	22N				1	T812- 8	25Y				186
A 10	10			180	150	50	64 56 5			250	220	52	7A	
A 10A	2		SHLD A10	25N					E20-B	38N				22
A 10L			J1-Z*	22N				1	K20- 9	31Y		47		178
A 10R			J1-Y*	22N				1	K20-13	31Y		47		178
A 11	1		J1-AA	22N				1	K20- 6	31Y		47		178
A 12	1		J1-BB	22N				1	K20- 2	31Y		47		178
A 13	8			230	200	52	63 55 5			200	170	53	7A	
A 13A	2		SHLD A13	25N					E20-B	38N				22
A 13W			J1-CC	22N				1	K28- 3	31Y		46		207
A 14	8			280	250	52	63 55 5			200	170	53	7A	
A 14A	2		SHLD A14	25N					E20-B	38N				22
A 14W			J1-DD	22N				1	K27- 3	31Y		46		206
A 15	3		J1-EE	22N				1	T812-14	25W				189
A 16	3		J1-FF	22N				1	T812-12	25Y				188
A 17	1		J32-AA	22N				307	T813-128	19N		42		266

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 13 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	5	ITEM NO	TERMINATION SPEC 1	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	5	ITEM NO	TERMINATION SPEC 1	NO.
A 18	16			330	300	90	68 60 5					51	7A	
A 18A	2		SHLD A18	25N					E21-B	38N				3
A 18L			J2-J	22N				5	E8	25Y				140
A 18R			J2-G	22N				5	XF8- 2	31Y				139
A 18Y			J2-H	22N				5	XF7- 2	31Y				141
A 19	11			280	250	51	87 86 5			250	220	51	7A	
A 19A	2		SHLD A19	25N					E21-B	38N				3
A 19L			J2-L	22N				5	E12	25Y				125
A 19R			J2-K	22N				5	XF13- 2	31Y				126
A 20	11			230	200	51	87 86 5			250	220	51	7A	
A 20A	2		SHLD A20	25N					E21-B	38N				3
A 20L			J2-N	22N				5	E14	25Y				121
A 20R			J2-M	22N				5	XF16- 2	31Y				120
A 21	10			180	150	50	64 56 5			250	220	52	7A	
A 21A	2		SHLD A21	25N					E21-B	38N				3
A 21L			J2-D	22N				5	K34- 7	31Y		47		213
A 21R			J2-C	22N				5	K34- 1	31Y		46		213
A 22	16			180	150	93	68 60 5			250	220	51	7A	

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 14 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	3	TERMINATION SPEC 1	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	3	TERMINATION SPEC 1	ITEM NO	NO
A 22A	2	SHLD A22	25N				E21-B	38N			3
A 22L		J2-Y	22N			5	XF11- 2	31Y			131
A 22R		J2-X	22N			5	XF10- 2	31Y			133
A 22Y		J2-Z	22N			5	E10	25Y			132
A 23	10		230	200 50 64 56 5				250	220 52	7A	
A 23A	2	SHLD A23	25N				E21-B	38N			3
A 23L		J2-B*	22N			5	K65- 3	31Y	48		255
A 23R		J2-A*	22N			5	K65- 6	31Y	48		255
A 24	10		280	250 50 64 56 5				250	220 52	7A	
A 24A	2	SHLD A24	25N				E21-B	38N			3
A 24L		J2-D*	22N			5	K65- 9	31Y	48		255
A 24R		J2-C*	22N			5	K65-12	31Y	48		255
A 25	10		330	300 50 64 56 5				250	220 52	7A	
A 25A	2	SHLD A25	25N				E21-B	38N			3
A 25L		J2-E*	22N			5	K66- 3	31Y	48		256
A 25R		J2-F*	22N			5	K66- 6	31Y	48		256
A 26	10		180	150 50 64 56 5				250	220 52	7A	
A 26A	2	SHLD A26	25N				E21-B	38N			3

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 15 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	3	TERMINATION SPEC 1	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	3	TERMINATION SPEC 1	ITEM NO	NO
A 26L		J2-H*	22N			5	K66- 9	31Y	48		256
A 26R		J2-G*	22N			5	K66-12	31Y	48		256
A 27	1	J33-AA	22N			304	TB13-12C	19N	42		266
A 28	7		230	200 52 63 54 5				200	170 53	7A	
A 28A	2	SHLD A28	25N				E22-B	38N			2
A 28W		J2-N*	22N			5	J44-T*	22N			274
A 29	7		230	200 52 63 54 5				200	170 53	7A	
A 29A	2	SHLD A29	25N				E22-B	38N			2
A 29W		J2-P*	22N			5	J44-U*	22N			274
A 30	7		280	250 52 63 54 5				200	170 53	7A	
A 30A	2	SHLD A30	25N				E22-B	38N			2
A 30W		J2-Q*	22N			5	J43-Q*	22N			275
A 31	7		330	300 52 63 54 5				200	170 53	7A	
A 31A	2	SHLD A31	25N				E22-B	38N			2
A 31W		J2-R*	22N			5	J43-G*	22N			275
A 32	7		180	150 52 63 54 5				200	170 53	7A	
A 32A	2	SHLD A32	25N				E22-B	38N			2
A 32W		J2-S*	22N			5	J43-H*	22N			275

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 16 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	3	TERMINATION SPEC 1	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	3	TERMINATION SPEC 1	ITEM NO	NO
A 33	7		230	200 52 63 54 5				200	170 53	7A	
A 33A	2	SHLD A33	25N				E22-B	38N			2
A 33W		J2-T*	22N			5	J44-H*	22N			274
A 34	3	J2-U*	22N			5	J43-W*	22N			275
A 35	7		280	250 52 63 54 5				200	170 53	7A	
A 35A	2	SHLD A35	25N				E22-B	38N			2
A 35W		J2-V*	22N			5	J43-M*	22N			275
A 36	7		330	300 52 63 54 5				200	170 53	7A	
A 36A	2	SHLD A36	25N				E23-B	38N			4
A 36W		J2-W*	22N			5	J43-N*	22N			275
A 37	7		180	150 52 63 54 5				200	170 53	7A	
A 37A	2	SHLD A37	25N				E23-B	38N			4
A 37W		J2-X*	22N			5	J43-P*	22N			275
A 38	7		230	200 52 63 54 5				200	170 53	7A	
A 38A	2	SHLD A38	25N				E23-B	38N			4
A 38W		J2-Y*	22N			5	J44-V*	22N			274
A 39	7		280	250 52 63 54 5				200	170 53	7A	
A 39A	2	SHLD A39	25N				E23-B	38N			4

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 17 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	3	TERMINATION SPEC 1	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	3	TERMINATION SPEC 1	ITEM NO	NO
A 39W		J2-Z*	22N			5	J44-W*	22N			274
A 40	7		330	300 52 63 54 5				200	170 53	7A	
A 40A	2	SHLD A40	25N				E23-B	38N			4
A 40W		J2-AA	22N			5	J44-X*	22N			274
A 41	7		180	150 52 63 54 5				200	170 53	7A	
A 41A	2	SHLD A41	25N				E23-B	38N			4
A 41W		J2-BB	22N			5	J44-Y*	22N			274
A 42	2	J2-DD	22N			5	K34-13	31Y	47		212
A 43	2	J2-CC	22N			5	XF15- 2	Y			122
A 44	11		200	200 51 87 86 5				250	220 51	7A	
A 44A	2	SHLD A44	25N				E23-B	38N			4
A 44L		J2-FF	22N			5	E13	25Y			124
A 44R		J2-EE	22N			5	XF14- 2	Y			123
A 45	10		180	150 50 64 56 5				250	220 52	7A	
A 45A	2	SHLD A45	25N				E24-B	38N			6
A 45L		J3-A*	22N			8	K45-12	31Y	49		224
A 45R		J3-B*	22N			8	K45- 9	31Y	49		224
A 46	10		230	200 50 64 56 5				250	220 52	7A	

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 18 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH (TEN) NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	
A 46A	2	SHLD A46	25N		E24-8	38N		6
A 46L		J3-D*	22N		8 K45- 6	31Y	49	224
A 46R		J3-C*	22N		8 K45- 3	31Y	49	224
A 47	10		280 250 50 64 56 5			250 220 52		7A
A 47A	2	SHLD A47	25N		E24-8	38N		6
A 47L		J3-F*	22N		8 K44-15	31Y	49	223
A 47R		J3-E*	22N		8 K44-12	31Y	49	223
A 48	10		330 300 50 64 56 5			250 220 52		7A
A 48A	2	SHLD A48	25N		E24-8	38N		6
A 48L		J3-H*	22N		8 K44- 9	31Y	49	223
A 48R		J3-G*	22N		8 K44- 6	31Y	49	223
A 49	10		180 150 50 64 56 5			250 220 52		7A
A 49A	2	SHLD A49	25N		E24-8	38N		6
A 49L		J3-J*	22N		8 K49-12	31Y	49	228
A 49R		J3-K*	22N		8 K49- 9	31Y	49	228
A 50	10		230 200 50 64 56 5			250 220 52		7A
A 50A	2	SHLD A50	25N		E24-8	38N		6
A 50L		J3-N*	22N		8 K49- 6	31Y	49	228

1. > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. . DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 19 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH (TEN) NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	
A 50R		J3-M*	22N		8 K49- 3	31Y	49	228
A 51	10		280 250 50 64 56 5			250 220 52		7A
A 51A	2	SHLD A51	25N		E24-8	38N		6
A 51L		J3-Q*	22N		8 K48-15	31Y	49	227
A 51R		J3-P*	22N		8 K48-12	31Y	49	227
A 52	10		330 300 50 64 56 5			250 220 52		7A
A 52A	2	SHLD A52	25N		E24-8	38N		6
A 52L		J3-S*	22N		8 K48- 9	31Y	49	227
A 52R		J3-R*	22N		8 K48- 6	31Y	49	227
A 53	10		180 150 50 64 56 5			250 220 52		7A
A 53A	2	SHLD A53	25N		E25-8	38N		7
A 53L		J3-U*	22N		8 K53-12	31Y	49	232
A 53R		J3-T*	22N		8 K53- 9	31Y	49	232
A 54	10		230 200 50 64 56 5			250 220 52		7A
A 54A	2	SHLD A54	25N		E25-8	38N		7
A 54L		J3-W*	22N		8 K53- 6	31Y	49	232
A 54R		J3-V*	22N		8 K53- 3	31Y	49	232
A 55	10		280 250 50 64 56 5			250 220 52		7A

1. > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. . DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 20 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH (TEN) NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	
A 55A	2	SHLD A55	25N		E25-8	38N		7
A 55L		J3-X*	22N		8 K52-15	31Y	49	231
A 55R		J3-Y*	22N		8 K52-12	31Y	49	231
A 56	10		330 300 50 64 56 5			250 220 52		7A
A 56A	2	SHLD A56	25N		E25-8	38N		7
A 56L		J3-BB	22N		8 K52- 9	31Y	49	231
A 56R		J3-AA	22N		8 K52- 6	31Y	49	231
A 57	12		180 150 90 67 59 5			250 220 51		7A
A 57A	2	SHLD A57	25N		E25-8	38N		7
A 57L		J3-DD	22N		8 K21- 8	31Y	47	180
A 57R		J3-CC	22N		8 K21-14	31Y	47	180
A 58	12		230 200 90 67 59 5			250 220 51		7A
A 58A	2	SHLD A58	25N		E25-8	38N		7
A 58L		J3-FF	22N		8 K21- 1	31Y	47	180
A 58R		J3-EE	22N		8 K21- 7	31Y	47	180
A 59	12		280 250 90 67 59 5			250 220 51		7A
A 59A	2	SHLD A59	25N		E25-8	38N		7
A 59L		J3-HH	22N		8 E6	25Y		145

1. > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 21 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH (TEN) NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	
A 59R		J3-GG	22N		8 KF5- 2	31Y		144
A 60	12		330 300 90 67 59 5			250 220 51		7A
A 60A	2	SHLD A60	25N		E25-8	38N		7
A 60L		J3-KK	22N		8 TB7-10D	19Y	43	33
A 60R		J3-JJ	22N		8 TR7- 9D	19Y	43	33
A 61	1	J3-LL	22N		8 J27-K*	22N		168
A 62	10		180 150 50 64 56 5			250 220 52		7A
A 62A	2	SHLD A62	25N		E26-8	38N		9
A 62L		J4-T	22N		12 J22-N	22N		158
A 62R		J4-S	22N		12 J22-M	22N		158
A 63	10		230 200 50 64 56 5			250 220 52		7A
A 63A	2	SHLD A63	25N		E26-8	38N		9
A 63L		J4-V	22N		12 J22-X	22N		158
A 63R		J4-U	22N		12 J22-W	22N		158
A 64	10		280 250 50 64 56 5			250 220 52		7A
A 64A	2	SHLD A64	25N		E26-8	38N		9
A 64L		J4-X	22N		12 J22-V	22N		158
A 64R		J4-W	22N		12 J22-U	22N		158

1. > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 22 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO
A 65	10		330 300 50 64 56 5				250 220 52		7A	
A 65A	2		SHLD A65	25N			E26-B	38N		9
A 65L			J4-Z	22N		12	J22-R	22N		158
A 65R			J4-Y	22N		12	J22-B	22N		158
A 66	10		180 150 50 64 56 5				250 220 52		7A	
A 66A	2		SHLD A66	25N			E26-B	38N		9
A 66L			J4-C*	22N		12	J22-T	22N		158
A 66R			J4-B*	22N		12	J22-S	22N		158
A 67	1		J4-D*	22N		12	TB13- 6A	19N	42	266
A 68	1		J4-E*	22N		12	TB11- 1A	19N	42	37
A 69	1		J4-F*	22N		12	J49-J*	22N		268
A 70	12		230 200 90 67 59 5				250 220 51		7A	
A 70A	2		SHLD A70	25N			E26-B	38N		9
A 70L			J4-H*	22N		12	TB11- 5D	19N	43	37
A 70R			J4-G*	22N		12	TB11- 3D	19N	43	37
A 71	10		280 250 50 64 56 5				250 220 52		7A	
A 71A	2		SHLD A71	25N			E26-B	38N		9
A 71L			J4-K*	22N		12	TB11- 8A	19N	42	37

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AB | SHEET 23 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO
A 71R			J4-J*	22N		12	TB11- 7A	19N	42	37
A 72	10		330 300 50 64 56 5				250 220 52		7A	
A 72A	2		SHLD A72	25N			E26-B	38N		9
A 72L			J4-N*	22N		12	TB11-14A	19N	42	37
A 72R			J4-M*	22N		12	TB11-13A	19N	42	37
A 73	10		180 150 50 64 56 5				250 220 52		7A	
A 73A	2		SHLD A73	25N			E27-B	38N		10
A 73L			J4-O*	22N		12	TB11-10B	19N	42	37
A 73R			J4-P*	22N		12	TB11- 9B	19N	42	37
A 74	10		230 200 50 64 56 5				250 220 52		7A	
A 74A	2		SHLD A74	25N			E27-B	38N		10
A 74L			J4-S*	22N		12	TB11-12B	19N	42	37
A 74R			J4-R*	22N		12	TB11-11B	19N	42	37
A 75	10		280 250 50 64 56 5				250 220 52		7A	
A 75A	2		SHLD A75	25N			E27-B	38N		10
A 75L			J4-U*	22N		12	TB11-18B	19N	42	37
A 75R			J4-T*	22N		12	TB11-17B	19N	42	37
A 76	10		330 300 50 64 56 5				250 220 52		7A	

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AB | SHEET 24 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO
A 76A	2		SHLD A76	25N			E27-B	38N		10
A 76L			J4-W*	22N		12	TB11-16B	19N	42	37
A 76R			J4-V*	22N		12	TB11-15B	19N	42	37
A 77	14		180 150 50 63 57 5				250 220 52		7A	
A 77A	2		SHLD A77	25N			E27-B	38N		10
A 77L			J4-Y*	22N		12	J43-Y*	22N		275
A 77R			J4-X*	22N		12	J43-X*	22N		275
A 77Y			J4-Z*	22N		12	J43-Z*	22N		275
A 78	14		230 200 50 65 57 5				250 220 52		7A	
A 78A	2		SHLD A78	25N			E27-B	38N		10
A 78L			J4-CC	22N		12	J43-GG	22N		275
A 78R			J4-BB	22N		12	J43-FF	22N		275
A 78Y			J4-DD	22N		12	J43-HH	22N		275
A 79	14		280 250 50 65 57 5				250 220 52		7A	
A 79A	2		SHLD A79	25N			E27-B	38N		10
A 79L			J4-EE	22N		12	J43-DD	22N		275
A 79R			J4-FF	22N		12	J43-CC	22N		275
A 79Y			J4-GG	22N		12	J43-EE	22N		275

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AB | SHEET 25 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO
A 80	10		330 300 50 64 56 5				250 220 52		7A	
A 80A	2		SHLD A80	25N			E27-B	38N		10
A 80L			J4-KK	22N		12	J43-L	22N		275
A 80R			J4-JJ	22N		12	J43-K	22N		275
A 81	1		J5-L	22N		16	J34-T	22N		301
A 82	3		J5-M	22N		16	TB17-12D	19N	43	261
A 83	10		280 250 50 64 56 5				250 200 52		7A	
A 83A	2		SHLD A83	25N			E57-B	38N		299
A 83L			J35-K*	22N		300	TB17-14R	19N	42	261
A 83R			J35-J*	22N		300	TB17-13R	19N	42	261
A 84	8		180 150 52 63 55 5				250 220 53		7A	
A 84A	2		SHLD A84	25N			E65-B	38N		276
A 84W			J43-R	22N		275	TB17-11D	19N	42	261
A 85	10		180 150 50 64 56 5				250 220 52		7A	
A 85A	2		SHLD A85	25N			E28-B	38N		14
A 85L			J5-D	22N		16	K38-13	31Y	48	217
A 85R			J5-C	22N		16	K38-10	31Y	89	217
A 86	10		230 200 50 64 56 5				250 220 52		7A	

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AB | SHEET 26 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO. 3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	1	2	3	4	ITEM NO.	TERMINATION SPEC 1	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	1	2	3	4	5	ITEM NO.	TERMINATION SPEC 1	NO
A 86A		2	SHLD A86	25N							E28-B	38N							14
A 86L			J5-F	22N						16	TB13- 8A	19Y		42					266
A 86R			J5-E	22N						16	TB13- 7A	19Y		42					266
A 87		1	J5-J	22N						16	J22-Y	22N							158
A 89		10		330	300	50	64	56	5			250	220	52				7A	
A 89A		2	SHLD A89	25N							E28-B	38N							14
A 89L			J5-P	22N						16	J42-I*	22N							279
A 89R			J5-N	22N						16	J42-H*	22N							279
A 90		10		180	150	50	64	56	5			250	220	52				7A	
A 90A		2	SHLD A90	25N							E28-B	38N							14
A 90L			J5-S	22N						16	K38- 7	31Y		48					217
A 90R			J5-R	22N						16	K38- 4	31Y		89					217
A 91		10		230	200	50	64	56	5			250	220	52				7A	
A 91A		2	SHLD A91	25N							E28-B	38N							14
A 91L			J5-U	22N						16	TB6-12D	19N		42					38
A 91R			J5-T	22N						16	TB6-14D	19N		42					38
A 92		10		280	250	50	64	56	5			250	220	52				7A	
A 92A		2	SHLD A92	25N							E28-B	38N							14

1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 27 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO. 3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	1	2	3	4	ITEM NO.	TERMINATION SPEC 1	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	1	2	3	4	5	ITEM NO.	TERMINATION SPEC 1	NO
A 92L			J5-W	22N						16	K54- 7	31Y		48					241
A 92R			J5-V	22N						16	K54- 4	31Y		48					241
A 93		10		330	300	50	64	56	5			250	220	52				7A	
A 93A		2	SHLD A93	25N							E28-B	38N							14
A 93L			J5-Y	22N						16	J42-K*	22N							279
A 93R			J5-X	22N						16	J42-J*	22N							279
A 94		10		180	150	50	64	56	5			250	220	52				7A	
A 94A		2	SHLD A94	25N							E28-B	38N							14
A 94L			J5-B*	22N						16	TB6-10D	19N		42					38
A 94R			J5-A*	22N						16	TB6- 9D	19N		42					38
A 95		10		230	200	50	64	56	5			250	220	52				7A	
A 95A		2	SHLD A95	25N							E28-B	38N							14
A 95L			J5-D*	22N						16	J22-A*	22N							158
A 95R			J5-C*	22N						16	J22-Z	22N							158
A 96		10		280	250	50	64	56	5			250	220	52				7A	
A 96A		2	SHLD A96	25N							E29-B	38N							15
A 96L			J5-F*	22N						16	J22-E	22N							158
A 96R			J5-E*	22N						16	J22-D	22N							158

1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 28 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO. 3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	1	2	3	4	ITEM NO.	TERMINATION SPEC 1	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	1	2	3	4	5	ITEM NO.	TERMINATION SPEC 1	NO
A 97		10		330	300	50	64	56	5			250	220	52				7A	
A 97A		2	SHLD A97	25N							E29-B	38N							15
A 97L			J5-H*	22N						16	J22-G	22N							158
A 97R			J5-G*	22N						16	J22-F	22N							158
A 98		10		180	150	50	64	56	5			250	220	52				7A	
A 98A		2	SHLD A98	25N							E29-B	38N							15
A 98L			J5-K*	22N						16	J42-Z	22N							279
A 98R			J5-J*	22N						16	J42-Y	22N							279
A 99		10		230	200	50	64	56	5			250	220	52				7A	
A 99A		2	SHLD A99	25N							E29-B	38N							15
A 99L			J5-N*	22N						16	J42-G*	22N							279
A 99R			J5-M*	22N						16	J42-F*	22N							279
A 100		10		280	250	50	64	56	5			250	220	52				7A	
A 100A		2	SHLD A100	25N							E29-B	38N							15
A 100L			J5-Q*	22N						16	J42-R*	22N							279
A 100R			J5-P*	22N						16	J42-M*	22N							279
A 101		10		330	300	50	64	56	5			250	220	52				7A	
A 101A		2	SHLD A101	25N							E29-B	38N							15

1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 29 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO. 3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	1	2	3	4	ITEM NO.	TERMINATION SPEC 1	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	1	2	3	4	5	ITEM NO.	TERMINATION SPEC 1	NO
A 101L			J5-S*	22N						16	J42-Q*	22N							279
A 101R			J5-R*	22N						16	J42-P*	22N							279
A 102		10		180	150	50	64	56	5			250	220	52				7A	
A 102A		2	SHLD A102	25N							E29-B	38N							15
A 102L			J5-V*	22N						16	TB17- 6A	19N		42					261
A 102R			J5-U*	22N						16	TB17- 5A	19N		42					261
A 103		10		230	200	50	64	56	5			250	220	52				7A	
A 103A		2	SHLD A103	25N							E29-B	38N							15
A 103L			J5-X*	22N						16	TB11-14B	19N		42					37
A 103R			J5-W*	22N						16	TB11-13B	19N		42					37
A 104		10		280	250	50	64	56	5			250	220	52				7A	
A 104A		2	SHLD A104	25N							E30-B	38N							13
A 104L			J5-Z*	22N						16	TB11- 7B	19N		42					37
A 104R			J5-Y*	22N						16	TB11- 8B	19N		42					37
A 105		10		330	300	50	64	56	5			250	220	52				7A	
A 105A		2	SHLD A105	25N							E30-B	38N							13
A 105L			J5-BB	22N						16	TB17- 4C	19N		42					261
A 105R			J5-AA	22N						16	TB17- 3C	19N		42					261

1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 30 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO	FROM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO	TO NO
A 106	10		180 150 50 64 56 5			250 220 52 7A	
A 106A	2	SHLD A106	25N		E30-B	38N	13
A 106L		J5-DD	22N	16	K48-10	31Y 48	227
A 106R		J5-CC	22N	16	K48- 7	31Y 48	227
A 107	10		230 200 50 64 56 5			250 220 52 7A	
A 107A	2	SHLD A107	25N		E30-B	38N	13
A 107L		J5-FF	22N	16	K48-16	31Y 48	227
A 107R		J5-EE	22N	16	K48-13	31Y 48	227
A 108	10		280 250 50 64 56 5			250 220 52 7A	
A 108A	2	SHLD A108	25N		E30-B	38N	13
A 108L		J5-HH	22N	16	TB17- 2C	19N 42	261
A 108R		J5-GG	22N	16	TB17- 1C	19N 42	261
A 109	10		330 300 50 64 56 5			250 220 52 7A	
A 109A	2	SHLD A109	25N		E30-B	38N	13
A 109L		J5-JJ	22N	16	K59-19	31Y 48	249
A 109R		J5-KK	22N	16	K59-16	31Y 48	249
A 110	10		180 150 50 64 56 5			250 220 52 7A	
A 110A	2	SHLD A110	25N		E30-B	38N	13

1/ THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2/ DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 31 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO	FROM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO	TO NO
A 110L		J5-MM	22N	16	K59-10	31Y 48	249
A 110R		J5-LL	22N	16	K59-13	31Y 48	249
A 111	10		250 200 50 64 56 5			250 220 52 7A	
A 111A	2	SHLD A111	25N		E30-B	38N	13
A 111L		J5-PP	22N	16	K54-13	31Y 48	241
A 111R		J5-NN	22N	16	K54-10	31Y 48	241
A 112	5	J6-A	28Y 46	17	E20-B	38N	22
A 113	17	J6-C	41Y 70	17	TB5- 9	41N 72	56
A 114	17	J6-D	41Y 70	17	TB8-10	41N 72	34
A 115	4	J6-E	41Y 46	17	TB8- 7	19N 40	34
A 116	4	J6-F	41Y 46	17	TB5-10	19N 40	53
A 117		DELETED					
A 118		DELETED					
A 119		DELETED					
A 120		DELETED					
A 121		DELETED					
A 122		DELETED					
A 123		DELETED					

1/ THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2/ DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AC | SHEET 32 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO	FROM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO	TO NO
A 124		DELETED					
A 125	3	J7-X	22N	20	E1	31N 45	174
A 126	3	J7-Y	22N	20	E1	31N 45	174
A 127	3	J7-Z	22N	20	E1	31N 45	174
A 128	3	J7-C*	22N	20	TB5- 7	19N 39	56
A 129	3	J7-D*	22N	20	TB8- 5	19N 39	34
A 130	3	J7-E*	22N	20	TB5- 1	19N 39	67
A 131	3	J7-F*	22N	20	TB2- 1	19N 39	101
A 132	3	J7-G*	22N	20	TB4- 1	19N 39	89
A 133	3	J7-H*	22N	20	TB4- 9	19N 39	81
A 134	3	J7-I*	22N	20	TB2- 6	19N 39	95
A 135	3	J7-J*	22N	20	TB5- 6	19N 39	60
A 136	3	J7-K*	22N	20	TB13- 9A	19N 43	266
A 137	1	J7-R*	22N	20	K5- 6	31Y 47	48
A 138	1	J7-S*	22N	20	K5- 4	31Y 46	48
A 139	12		180 150 90 67 59 5			250 220 51 7A	
A 139A	2	SHLD A139	25N		E20-5	38N	22
A 139L		J7-U*	22N	20	TB17-19A	19N 49	261

1/ THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2/ DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AC | SHEET 33 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO	FROM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO	TO NO
A 139R		J7-T*	22N	20	TB17- 9A	19N 43	261
A 140	1	J7-V*	22N	20	K4- 6	31Y 47	49
A 141	1	J7-W*	22N	20	K4- 4	31Y 46	49
A 142	3	J7-X*	22N	20	K6- 1	31Y 47	47
A 143	3	J7-Y*	22N	20	K1-X 1	19N 45	41
A 144	3	J7-Z*	22N	20	K1-X 2	19N 45	41
A 145	3	J7-AA	22N	20	XF19- 1	31Y	136
A 146	3	J7-BB	22N	20	TB7-16E	19N 43	33
A 147	1	J7-CC	22N	20	K3- 6	31Y 47	50
A 148	1	J7-DD	22N	20	K9- 4	31Y 47	50
A 149	3	J7-EE	22N	20	K2-11	19N 45	52
A 150	3	J7-FF	22N	20	K2-X 1	19N 45	51
A 151	3	J7-GG	22N	20	TB3- 6	19N 39	72
A 152	3	J7-HH	22N	20	TB3- 1	19N 39	79
A 153	3	J8-T	22N	25	J39-MM	22N	291
A 154	1	J8-U	22N	25	J27-LL	22N	168
A 155	1	J8-V	22N	25	J27-Z*	22N	168
A 156	3	J8-W	22N	25	J27-FF	22N	168

1/ THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2/ DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 34 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO	TO NO
A 158	1	J6-Y	22N	25	J27-HH	22N	168
A 159	1	J8-Z	22N	25	J27-JJ	22N	168
A 160	1	J8-A*	22N	25	P11-C*	31Y	113
A 161	1	J8-B*	22N	25	P10-A	31Y	112
A 162	1	J8-C*	22N	25	P10-B	31Y	112
A 163	1	J8-D*	22N	25	P10-C	31Y	112
A 164	1	J8-E*	22N	25	P10-D	31Y	112
A 165	1	J8-F*	22N	25	P10-E	31Y	112
A 166	1	J8-G*	22N	25	P10-F	31Y	112
A 167	1	J8-H*	22N	25	P10-G	31Y	112
A 168	1	J8-J*	22N	25	P10-H	31Y	112
A 169	1	J8-K*	22N	25	P10-J	31Y	112
A 170	1	J8-M*	22N	25	P8-K	31Y	115
A 171	1	J8-N*	22N	25	P8-W	31Y	115
A 172	1	J8-P*	22N	25	P9-D	31Y	116
A 173	1	J8-Q*	22N	25	P9-P	31Y	116
A 174	1	J8-R*	22N	25	P9-A*	31Y	116
A 175	1	J8-U*	22N	25	K7- 5	31Y 49	46

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AB | SHEET 35 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO	FROM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO	TO NO
A 176	1	J8-V*	22N	25	K7- 3	31Y 49	46
A 177	1	J8-X*	22N	25	J34-N*	22N	301
A 178	1	J8-Y*	22N	25	J34-P*	22N	301
A 179	1	J8-Z*	22N	25	J34-R*	22N	301
A 180	1	J8-AA	22N	25	J34-V*	22N	301
A 181	1	J8-BB	22N	25	J34-K	22N	301
A 182	1	J8-CC	22N	25	J34-HH	22N	301
A 183	1	J8-DD	22N	25	J39-A*	22N	291
A 184	7		180 150 52 63 54 5			200 170 53	TA
A 184A	2	SHLD A184	25N		E91-B	38N	21
A 184W		J8-EE	22N	25	J39-D*	22N	291
A 185	1	J8-FF	22N	25	J39-R*	22N	291
A 186	1	J8-GG	22N	25	J39-U*	22N	291
A 187	7		230 200 52 63 54 5			200 170 53	TA
A 187A	2	SHLD A187	25N		E91-B	38N	21
A 187W		J8-HH	22N	25	J39-X*	22N	291
A 188	1	J8-J	22N	25	J39-Y*	22N	291
A 189	1	J8-K	22N	25	J39-Z*	22N	291

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AB | SHEET 36 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO	FROM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO	TO NO
A 190	7		280 250 52 63 54 5			200 170 53	TA
A 190A	2	SHLD A190	25N		E91-B	38N	21
A 190W		J8-L	22N	25	J39-AA	22N	291
A 191	7		330 300 52 63 54 5			200 170 53	TA
A 191A	2	SHLD A191	25N		E91-B	38N	21
A 191W		J8-M	22N	25	J45-FF	22N	268
A 192	1	J8-N	22N	25	J39-FF	22N	291
A 193	3	J9-Y	22N	26	K65- 1	31Y 49	255
A 194	1	J9-Z	22N	26	J27-X*	22N	168
A 195	3	J9-A*	22N	26	K23- 9	31Y 49	203
A 196	3	J9-B*	22N	26	K23- 1	31Y 49	203
A 197	3	J9-C*	22N	26	K24- 1	31Y 49	204
A 198	3	J9-D*	22N	26	K24- 6	31Y 49	204
A 199	3	J9-E*	22N	26	K39- 6	31Y 49	218
A 200	3	J9-F*	22N	26	K39- 1	31Y 49	218
A 201	3	J9-G*	22N	26	K22- 3	31Y 49	202
A 202	3	J9-H*	22N	26	K22- 1	31Y 49	202
A 203	3	J9-J*	22N	26	K55- 1	31Y 49	242

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AB | SHEET 37 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO	FROM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO	TO NO
A 204	3	J9-K*	22N	26	K40- 1	31Y 49	219
A 205	3	J9-M*	22N	26	K41- 1	31Y 49	220
A 206	3	J9-N*	22N	26	K56- 1	31Y 49	243
A 207	3	J9-P*	22N	26	K57- 1	31Y 49	247
A 208	3	J9-Q*	22N	26	K42- 1	31Y 49	221
A 209	3	J9-R*	22N	26	K44- 3	31Y 49	223
A 210	3	J9-S*	22N	26	K44- 1	31Y 49	223
A 211	3	J9-T*	22N	26	K61- 1	31Y 49	251
A 212	3	J9-U*	22N	26	K46- 1	31Y 49	225
A 213	3	J9-V*	22N	26	K48- 3	31Y 49	227
A 214	3	J9-W*	22N	26	K48- 1	31Y 49	227
A 215	3	J9-X*	22N	26	K50- 1	31Y 49	229
A 216	3	J9-Y*	22N	26	K52- 3	31Y 49	231
A 217	3	J9-Z*	22N	26	K52- 1	31Y 49	231
A 218	3	J9-AA	22N	26	K33- 4	31Y 47	212
A 219	3	J9-BB	22N	26	K33-11	31Y 47	212
A 220	3	J9-CC	22N	26	K36- 4	31Y 47	215
A 221	3	J9-DD	22N	26	K31- 4	31Y 46	210

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AB | SHEET 38 OF 150

GNW WIRING HARNESS A AR 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	NO
A 222	3	J9-FE	22N		26	K31-11	31Y	46	210
A 223	3	J9-FF	22N		26	TB12-38	25Y		199
A 224	3	J9-GG	22N		26	TB12-37	25Y		198
A 225	1	J9-HH	22N		26	TB1- 2	25Y		110
A 226	1	J9-JJ	22N		26	K7- 8	31Y	49	46
A 227	3	J9-KK	22N		26	K54- 1	31Y	49	241
A 228	1	J9-LL	22N		26	J27-W	22N		168
A 229	3	J9-MM	22N		26	J27-U*	22N		168
A 231	1	J9-PP	22N		26	J27-W*	22N		168
A 232	11		180 150 51 87 86 5				250 220 51		7A
A 232A	2	SHLD A232	25N			E32-B	38N		27
A 232L		J10-D	22N		29	K42- 8	31Y	48	221
A 232R		J10-C	22N		29	K42-11	31Y	48	221
A 233	11		230 200 51 87 86 5				250 220 51		7A
A 233A	2	SHLD A233	25N			E32-B	38N		27
A 233L		J10-F	22N		29	K46- 8	31Y	48	225
A 233R		J10-E	22N		29	K46-11	31Y	48	225
A 234	11		280 250 51 87 86 5				250 220 51		7A

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AR | SHEET 39 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	NO
A 234A	2	SHLD A234	25N			E32-B	38N		27
A 234L		J10-H	22N		29	K50- 8	31Y	48	229
A 234R		J10-G	22N		29	K50-11	31Y	48	229
A 235	12		330 300 90 67 59 5				250 220 51		7A
A 235A	2	SHLD A235	25N			E32-B	38N		27
A 235L		J10-N	22N		29	TR6- 5C	19N	43	38
A 235R		J10-M	22N		29	TR6- 2C	19N	43	38
A 236	10		180 150 50 64 56 5				250 220 52		7A
A 236A	2	SHLD A236	25N			E32-B	38N		27
A 236L		J10-U	22N		29	K51-14	31Y	48	230
A 236R		J10-T	22N		29	K51-17	31Y	48	230
A 237	10		250 200 50 64 56 5				250 220 52		7A
A 237A	2	SHLD A237	25N			E32-B	38N		27
A 237L		J10-W	22N		29	K46-14	31Y	48	225
A 237R		J10-V	22N		29	K46-17	31Y	48	225
A 238	10		280 250 50 64 56 5				250 220 52		7A
A 238A	2	SHLD A238	25N			E32-B	38N		27
A 238L		J10-Y	22N		29	K42-14	31Y	48	221

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 40 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	NO
A 238R		J10-X	22N		29	K42-17	31Y	48	221
A 239	10		250 220 50 64 56 5				250 220 52		7A
A 239A	2	SHLD A239	25N			E32-B	38N		27
A 239L		J10-N*	22N		29	K68-10	31Y	48	258
A 239R		J10-M*	22N		29	K68-13	31Y	48	258
A 240	10		330 300 50 64 56 5				250 220 52		7A
A 240A	2	SHLD A240	25N			E32-B	38N		27
A 240L		J10-Q*	22N		29	K64-13	31Y	48	254
A 240R		J10-P*	22N		29	K64-10	31Y	48	254
A 241	10		180 150 50 64 56 5				250 220 52		7A
A 241A	2	SHLD A241	25N			E33-B	38N		28
A 241L		J10-S*	22N		29	K45-10	31Y	48	224
A 241R		J10-R*	22N		29	K45-13	31Y	48	224
A 242	10		230 200 50 64 56 5				250 220 52		7A
A 242A	2	SHLD A242	25N			E33-B	38N		28
A 242L		J10-U*	22N		29	K67- 4	31Y	48	257
A 242R		J10-T*	22N		29	K67- 7	31Y	48	257
A 243	10		280 250 50 64 56 5				250 220 52		7A

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 41 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	NO
A 243A	2	SHLD A243	25N			E33-B	38N		28
A 243L		J10-BB	22N		29	K63- 4	31Y	48	253
A 243R		J10-AA	22N		29	K63- 7	31Y	48	253
A 244	10		330 300 50 64 56 5				250 220 52		7A
A 244A	2	SHLD A244	25N			E33-B	38N		28
A 244L		J10-DD	22N		29	K45- 7	31Y	48	224
A 244R		J10-CC	22N		29	K45- 4	31Y	48	224
A 248	12		330 300 90 67 59 5				250 220 51		7A
A 248A	2	SHLD A248	25N			E33-B	38N		28
A 248L		J10-PP	22N		29	K21- 3	31Y	92	180
A 248R		J10-NN	22N		29	K21- 5	31Y	92	180
A 249	8		180 150 52 63 55 5				200 170 55		7A
A 249A	2	SHLD A249	25N			E34-B	38N		31
A 249M		J11-F	22N		32	J25-P*	22N		154
A 250	8	J11-G	22N		32	E92-B	38N		148
A 251	7		180 150 52 63 54 5				200 170 55		7A
A 251A	2	SHLD A251	25N			E34-B	38N		31
A 251M		J11-H	22N		32	J39-GG	22N		291

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 42 OF 150

CONDUCTOR NUMBER	ITEM NO.	FROM CIRCUIT POINT	CUT WIRE OR SHIELD / STRIP WIRE OR JACKET	TERMINATION ITEM NO.	NO.	TO CIRCUIT POINT	CUT WIRE OR SHIELD / STRIP WIRE OR JACKET	TERMINATION ITEM NO.	SPEC	NO.
A 252	1	J11-J	22N		32	E92-B	38N			148
A 255	12		230	200 90 67 59 5			250	220 51	7A	
A 255A	2	SHLD A255	25N			E34-B	38N			31
A 255L		J11-P	22N		32	TB7-10C	19N	43		33
A 255R		J11-N	22N		32	TB7- 9C	19N	43		33
A 256	10		280	250 50 64 56 5			250	220 52	7A	
A 256A	2	SHLD A256	25N			E34-B	38N			31
A 256L		J11-S	22N		32	K31- 5	31Y	46		210
A 256R		J11-R	22N		32	K31-10	31Y	46		210
A 257	10		330	300 50 64 56 5			250	220 52	7A	
A 257A	2	SHLD A257	25N			E34-B	38N			31
A 257L		J11-U	22N		32	K32- 3	31Y	46		211
A 257R		J11-T	22N		32	K32- 5	31Y	46		211
A 258	10		180	150 50 64 56 5			250	220 52	7A	
A 258A	2	SHLD A258	25N			E34-B	38N			31
A 258L		J11-W	22N		32	K32-10	31Y	47		211
A 258R		J11-V	22N		32	K32-12	31Y	47		211
A 259	10		230	200 50 64 56 5			250	220 52	7A	

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER
HOUSTON TEXAS
SIZE A
1900712
SCALE - NONE
REV LTR AR
SHEET 43 OF 150

CONDUCTOR NUMBER	ITEM NO.	FROM CIRCUIT POINT	CUT WIRE OR SHIELD / STRIP WIRE OR JACKET	TERMINATION ITEM NO.	NO.	TO CIRCUIT POINT	CUT WIRE OR SHIELD / STRIP WIRE OR JACKET	TERMINATION ITEM NO.	SPEC	NO.
A 259A	2	SHLD A259	25N			E34-B	38N			31
A 259L		J11-Y	22N		32	K35- 5	31Y	46		214
A 259R		J11-X	22N		32	K35- 3	31Y	46		214
A 260	10		280	250 50 64 56 5			250	220 52	7A	
A 260A	2	SHLD A260	25N			E34-B	38N			31
A 260L		J11-B*	22N		32	K35-12	31Y	46		214
A 260R		J11-A*	22N		32	K35-10	31Y	46		214
A 261	9	J5-K	22N		16	TB16- 1	19N	39		262
A 262	1	J8-S	22N		25	J34-DD	22N			301
A 263		DELETED								
A 264	9	J24-F	22N		173	TB13-14F	19N	43		266
A 265	1	J25-K*	22N		154	TB13-10D	19N	42		266
A 266	1	J37-CC	22N		295	TB13-14A	19N	42		266
A 267	6	J21-M	41Y	46	149	TB4-10	31N	41		80
A 268	12		280	250 90 67 59 5			250	220 51	7A	
A 268A	2	SHLD A268	25N			E36-B	38N			155
A 268L		J21-N	25Y		149	TB17-10D	19N	43		261
A 268R		J21-M	25Y		149	TB17- 9D	19N	43		261

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER
HOUSTON TEXAS
SIZE A
1900712
SCALE - NONE
REV LTR AR
SHEET 44 OF 150

CONDUCTOR NUMBER	ITEM NO.	FROM CIRCUIT POINT	CUT WIRE OR SHIELD / STRIP WIRE OR JACKET	TERMINATION ITEM NO.	NO.	TO CIRCUIT POINT	CUT WIRE OR SHIELD / STRIP WIRE OR JACKET	TERMINATION ITEM NO.	SPEC	NO.
A 269	6	J21-P	41Y	46	149	TB4- 2	31N	41		87
A 270	10		280	250 50 64 56 5			280	250 52	7A	
A 270A	2	SHLD A270	25N			E93-B	38N			172
A 270L		J24-KK	22N		173	TB13-20C	19N	42		266
A 270R		J24-JJ	22N		173	TB13-19C	19N	42		266
A 271	1	J31-K*	22N		311	TB17-13C	19N	42		261
A 272	7		230	200 52 63 54 5			230	200 53	7A	
A 272A	2	SHLD A272	25N			E94-B	38N			303
A 272W		J34-A	22N		301	XF17- 1	31Y			130
A 273	7		230	200 52 63 54 5			200	170 53	7A	
A 273A	2	SHLD A273	25N			E94-B	38N			303
A 273W		J34-E	22N		301	XF18- 1	31Y			129
A 274	3	J34-G	22N		301	E87-B	38N			263
A 275	3	J34-J	22N		301	E87-B	38N			263
A 276	1	J34-S	22N		301	J44-N	22N			274
A 277	16		280	250 90 68 60 5			280	250 51	7A	
A 277A	2	SHLD A277	25N			E57-B	38N			299
A 277L		J35-J	22N		300	TB6-10B	19N	43		38

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER
HOUSTON TEXAS
SIZE A
1900712
SCALE - NONE
REV LTR AR
SHEET 45 OF 150

CONDUCTOR NUMBER	ITEM NO.	FROM CIRCUIT POINT	CUT WIRE OR SHIELD / STRIP WIRE OR JACKET	TERMINATION ITEM NO.	NO.	TO CIRCUIT POINT	CUT WIRE OR SHIELD / STRIP WIRE OR JACKET	TERMINATION ITEM NO.	SPEC	NO.
A 277R		J35-K	22N		300	TB6-11B	19N	43		38
A 277Y		J35-H	22N		300	TB6- 9B	19N	43		38
A 278	14		280	250 50 65 57 5			250	220 52	7A	
A 278A	2	SHLD A278	25N			E57-B	38N			299
A 278L		J35-T	22N		300	TB6-13B	19N	42		38
A 278R		J35-R	22N		300	TB6-14B	19N	42		38
A 278Y		J35-S	22N		300	TB6-12B	19N	42		38
A 279	1	J11-I*	22N		32	J25-J	22N			154
A 280	10		330	300 50 64 56 5			250	220 52	7A	
A 280A	2	SHLD A280	25N			E34-B	38N			31
A 280L		J11-D*	22N		32	K34- 5	31Y	46		213
A 280R		J11-C*	22N		32	K34- 3	31Y	46		213
A 281	14		180	150 50 65 57 5			250	220 52	7A	
A 281A	2	SHLD A281	25N			E34-B	38N			31
A 281L		J11-G*	22N		32	K37- 7	31Y	48		216
A 281R		J11-E*	22N		32	K37-10	31Y	48		216
A 281Y		J11-F*	22N		32	K37- 4	31Y	48		216
A 282	3	J11-H*	22N		32	J25-CC	22N			154

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
1900712
SCALE - NONE
REV LTR AR
SHEET 46 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO
A 283	1	U11-K*	22N		32	U25-M	22N		154
A 284	1	U11-M*	22N		32	U25-FF	22N		154
A 285	1	U11-N*	22N		32	U25-GG	22N		154
A 286	3	U11-P*	22N		32	U25-S*	22N		154
A 287	3	U11-Q*	22N		32	U25-T*	22N		154
A 288	3	U11-R*	22N		32	TB12-19	25Y		191C
A 289	3	U11-S*	22N		32	TB13-12E	19N	43	266
A 290	3	U11-T*	22N		32	E92-R	38N		148
A 291	10		230 200 50 64 56 5				250 220 52	7A	
A 291A	2	SHLD A291	25N			E35-B	38N		30
A 291L		U11-V*	22N		32	U25-V*	22N		154
A 291R		U11-U*	22N		32	U25-U*	22N		154
A 292	10		280 250 50 64 56 5				250 220 52	7A	
A 292A	2	SHLD A292	25N			E35-B	38N		30
A 292L		U11-X*	22N		32	U25-X*	22N		154
A 292R		U11-W*	22N		32	U25-W*	22N		154
A 293	10		330 300 50 64 56 5				250 220 52	7A	
A 293A	2	SHLD A293	25N			E35-B	38N		30

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 47 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO
A 293L		U11-Z*	22N		32	U25-Z*	22N		154
A 293R		U11-Y*	22N		32	U25-Y*	22N		154
A 294	3	U11-AA	22N		32	TB12-17	25Y		191A
A 295	3	U11-BB	22N		32	TB14- 6	19N	39	265
A 296	10		180 150 50 64 56 5				250 220 52	7A	
A 296A	2	SHLD A296	25N			E35-B	38N		30
A 296L		U11-DD	22N		32	U25-H*	22N		154
A 296R		U11-CC	22N		32	U25-G*	22N		154
A 297	1	U11-LL	22N		32	U25-AA	22N		154
A 298	1	U11-MM	22N		32	U25-BB	22N		154
A 299	1	U11-NN	22N		32	U25-DD	22N		154
A 300	1	U11-PP	22N		92	U25-EE	22N		154
A 301	6	U21-A	41Y	46	149	TB2- 9	31N	41	91
A 302	6	U21-B	41Y	46	149	TB2-10	31N	41	90
A 303	6	U21-C	41Y	46	149	TB2- 3	31N	41	98
A 304	6	U21-D	41Y	46	149	TB2- 2	31N	41	99
A 305	6	U21-E	41Y	46	149	TB16- 2	31N	41	262
A 306	6	U21-F	41Y	46	149	TB16- A	31N	41	262

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 48 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO
A 307	6	J21-G	41Y	46	149	TB15- 1	31N	41	264
A 308	4	J21-K	28Y	47	149	TB5- 4	19N	40	63
A 309	4	J21-L	28Y	47	149	TB5- 3	19N	40	64
A 310	3	J22-B	22N		158	E37-B	38N		156
A 311	10		180 150 50 64 56 5				250 220 52	7A	
A 311A	2	SHLD A311	25N			E37-B	38N		156
A 311L		J22-K	22N		158	K67-10	31Y	48	257
A 311R		J22-H	22N		158	K67-13	31Y	48	257
A 312	1	J22-J	22N		158	TB11- 7F	19N	42	37
A 313	10		230 200 50 64 56 5				250 220 52	7A	
A 313A	2	SHLD A313	25N			E36-R	38N		155
A 313L		J22-C*	22N		158	K44-10	31Y	48	223
A 313R		J22-A*	22N		158	K44- 7	31Y	48	223
A 314	10		280 250 50 64 56 5				250 220 52	7A	
A 314A	2	SHLD A314	25N			E36-R	38N		155
A 314L		J22-E*	22N		158	K44-16	31Y	48	233
A 314R		J22-D*	22N		158	K44-13	31N	48	233
A 315	10		330 300 50 64 56 5				250 220 52	7A	

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 49 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO
A 315A	2	SHLD A315	25N			E36-B	38N		155
A 315L		J22-G*	22N		158	K59- 4	31Y	48	249
A 315R		J22-F*	22N		158	K59- 7	31N	48	249
A 316	10		180 150 50 64 56 5				250 220 52	7A	
A 316A	2	SHLD A316	25N			E36-B	38N		155
A 316L		J22-I*	22N		158	K60-10	31Y	48	250
A 316R		J22-H*	22N		158	K60-13	31Y	48	250
A 317	14		230 200 40 65 57 5				250 220 52	7A	
A 317A	2	SHLD A317	25N			E37-R	38N		156
A 317L		J22-M*	22N		158	K43- 4	31Y	49	222
A 317R		J22-J*	22N		158	K43-10	31Y	49	222
A 317Y		J22-K*	22N		158	K43- 7	31Y	48	222
A 318	10		280 250 50 64 56 5				250 220 52	7A	
A 318A	2	SHLD A318	25N			E37-B	38N		156
A 318L		J22-P*	22N		158	K63-16	31Y	48	253
A 318R		J22-N*	22N		158	K63-19	31Y	48	253
A 319	10		330 300 50 64 56 5				250 220 52	7A	
A 319A	2	SHLD A319	25N			E37-B	38N		156

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 50 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO
A 319L		J22-R*	22N			158	K63-10	31Y	48		253
A 319R		J22-Q*	22N			158	K63-13	31Y	48		253
A 320	10		180 150 50 64 56 5					250 220 52		7A	
A 320A	2	SHLD A320	25N				E37-B	38N			156
A 320L		J22-T*	22N			158	K49- 7	31Y	48		228
A 320R		J22-S*	22N			158	K49- 4	31Y	48		228
A 321	10		230 200 50 64 56 5					250 220 52		7A	
A 321A	2	SHLD A321	25N				E37-B	38N			156
A 321L		J22-V*	22N			158	K49-13	31Y	48		228
A 321R		J22-U*	22N			158	K49-10	31Y	48		228
A 322	1	J22-Y*	22N			158	TB11-13F	19N	42		37
A 323	10		280 250 50 64 56 5					250 220 52		7A	
A 323A	2	SHLD A323	25N				E37-B	38N			156
A 323L		J22-Z*	22N			158	K67-16	31Y	48		257
A 323R		J22-X*	22N			158	K67-19	31Y	48		257
A 324	10		330 300 50 64 56 5					250 220 52		7A	
A 324A	2	SHLD A324	25N				E38-B	38N			157
A 324L		J22-BB	22N			158	K53- 7	31Y	48		232

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 51 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO
A 324R		J22-AA	22N			158	K53- 4	31Y	48		232
A 325	10		180 150 50 64 56 5					250 220 52		7A	
A 325A	2	SHLD A325	25N				E38-B	38N			157
A 325L		J22-DD	22N			158	K53-13	31Y	48		232
A 325R		J22-CC	22N			158	K53-10	31Y	48		232
A 326	10		230 200 50 64 56 5					250 220 52		7A	
A 326A	2	SHLD A326	25N				E38-B	38N			157
A 326L		J22-FF	22N			158	K38-13	31Y			217
A 326R		J22-EE	22N			158	K38-10	31Y			217
A 327	10		280 250 50 64 56 5					250 220 52		7A	
A 327A	2	SHLD A327	25N				E38-B	38N			157
A 327L		J22-HH	22N			158	TB13- 8B	19N	42		266
A 327R		J22-GG	22N			158	TB13- 7B	19N	42		266
A 328	10		330 300 50 64 56 5					250 220 52		7A	
A 328A	2	SHLD A328	25N				E38-B	38N			157
A 328L		J22-KK	22N			158	K38- 7	31Y			217
A 328R		J22-JJ	22N			158	K38- 4	31Y			217
A 329	10		180 150 50 64 56 5					250 220 52		7A	

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 52 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO
A 329A	2	SHLD A329	25N				E38-B	38N			157
A 329L		J22-MM	22N			158	K54-13	31Y			241
A 329R		J22-LL	22N			158	K54-10	31Y			241
A 330	10		230 200 50 64 56 5					250 220 52		7A	
A 330A	2	SHLD A330	25N				E38-B	38N			157
A 330L		J22-PP	22N			158	K54- 7	31Y			241
A 330R		J22-NN	22N			158	K54- 4	31Y			241
A 331	12		180 150 90 67 59 5					250 220 51		7A	
A 331A	2	SHLD A331	25N				E89-B	38N			162
A 331L		J23-B	22N			165	TB13-14D	19N	43		266
A 331R		J23-A	22N			165	TB13-13D	19N	43		266
A 332	3	J23-C	22N			165	E89-B	38N			162
A 333	1	J38-AA	22N			293	TB13-12D	19N	42		266
A 334	14		230 200 50 65 57 5					250 220 52		7A	
A 334A	2	SHLD A334	25N				E89-B	38N			162
A 334L		J23-F	22N			165	TB6-13C	19N	42		38
A 334R		J23-E	22N			165	TB6-14C	19N	42		38
A 334Y		J23-G	22N			165	TB6-12C	19N	42		38

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 53 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO
A 335	3	J23-H	22N			165	E89-B	38N			162
A 336	12		280 250 90 67 59 5					250 220 51		7A	
A 336A	2	SHLD A336	25N				E89-B	38N			162
A 336L		J23-K	22N			165	TB13-18B	19N	43		266
A 336R		J23-J	22N			165	TB13-17B	19N	43		266
A 337	10		230 200 50 64 56 5					250 220 52		7A	
A 337A	2	SHLD A337	25N				E89-B	38N			162
A 337L		J23-P	22N			165	U41-M*	22N			280
A 337R		J23-N	22N			165	U41-K*	22N			280
A 338	3	J23-R	22N			165	E89-B				162
A 339	14		180 150 50 65 57 5					250 220 52		7A	
A 339A	2	SHLD A339	25N				E90-B	38N			163
A 339L		J23-T	22N			165	U41-T	22N			280
A 339R		J23-S	22N			165	U41-U	22N			280
A 339Y		J23-U	22N			165	U41-S	22N			280
A 340	10		230 200 50 64 56 5					250 220 52		7A	
A 340A	2	SHLD A340	25N				E90-B	38N			163
A 340L		J23-W	22N			165	U35-V	22N			300

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 54 OF 150

THE STD CONDUCTOR TERMINATION FIGURES ARE PER
DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AB | SHEET 57 OF 150

CONDUCTOR NUMBER	ITEM	INDIVIDUAL LENGTH	FROM CUT WIRE OF SHIELD	FROM STRIP WIRE OF JACKET	FROM CIRCUIT POINT	TERMINATION SPEC	TERMINATION ITEM NO	TO CUT WIRE OF SHIELD	TO STRIP WIRE OF JACKET	TO CIRCUIT POINT	TERMINATION SPEC	TERMINATION ITEM NO
A 349Y			J24-C	22N				J35-F	02N			
A 350	9			2M0	250 52 63 55 5					200	120 55	7A
A 350A	2		SHLD A350	25N				E41-R	38N			
A 350W			J24-D	22N				J44-V	22N			
A 351	14			370	300 50 65 57 5					250	220 52	7A
A 351A	2		SHLD A351	25N				E41-B	38N			
A 351L			J24-G	22N				J35-V*	22N			900
A 351R			J24-F	22N				J35-W*	22N			900
A 351T			J24-H	22N				J35-X*	22N			900
A 352	10			180	150 50 64 56 5					250	220 52	7A
A 352A	2		SHLD A352	25N				E41-B	38N			170
A 352L			J24-K	22N				T813-20P	19N	42		266
A 352R			J24-J	22N				T813-19P	19N	42		266
A 353	10			180	150 50 64 56 5					250	220 52	7A
A 353A	2		SHLD A353	25N				E90-B	38N			172
A 353L			J24-L	22N				T86-2P	19N	42		38
A 353R			J24-M	22N				T86-5P	19N	42		38
A 355	5		J24-R	22N				E84-B	N			150

THE STD CONDUCTOR TERMINATION FIGURES ARE PER
DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AB | SHEET 58 OF 150

CONDUCTOR NUMBER	ITEM	INDIVIDUAL LENGTH	FROM CUT WIRE OF SHIELD	FROM STRIP WIRE OF JACKET	FROM CIRCUIT POINT	TERMINATION SPEC	TERMINATION ITEM NO	TO CUT WIRE OF SHIELD	TO STRIP WIRE OF JACKET	TO CIRCUIT POINT	TERMINATION SPEC	TERMINATION ITEM NO
A 355			DELETED									
A 356	3		J24-S	22N				E99-B	38N			172
A 357	3		J24-T	22N				E99-B	38N			172
A 358	3		J24-U	22N				E99-B	38N			172
A 359	10			200	200 50 64 56 5					250	220 52	7A
A 359A	2		SHLD A359	25N				E99-B	38N			172
A 359L			J24-V	22N				J42-DD	22N			279
A 359R			J24-Z	22N				J42-CC	22N			279
A 360	10			260	250 50 64 56 5					250	220 52	7A
A 360A	2		SHLD A360	25N				E41-B	38N			170
A 360L			J24-BB	22N				J42-BB*	22N			279
A 360R			J24-AA	22N				J42-AA	22N			279
A 361	10			350	300 50 64 56 5					250	220 52	7A
A 361A	2		SHLD A361	25N				E41-B	38N			170
A 361L			J24-D*	22N				J41-Z*	22N			280
A 361R			J24-C*	22N				J41-Y*	22N			280
A 362	10			180	190 50 64 56 5					250	220 52	7A
A 362A	2		SHLD A362	25N				E41-R	38N			170

THE STD CONDUCTOR TERMINATION FIGURES ARE PER
DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AC | SHEET 55 OF 150

CONDUCTOR NUMBER	ITEM	INDIVIDUAL LENGTH	FROM CUT WIRE OF SHIELD	FROM STRIP WIRE OF JACKET	FROM CIRCUIT POINT	TERMINATION SPEC	TERMINATION ITEM NO	TO CUT WIRE OF SHIELD	TO STRIP WIRE OF JACKET	TO CIRCUIT POINT	TERMINATION SPEC	TERMINATION ITEM NO
A 343R			J23-G*	22N				J41-Y	02N			280
A 344	14			290	200 90 65 57 5					250	220 52	7A
A 344A	2		SHLD A344	25N				E90-M	38N			163
A 344L			J23-I*	22N				J41-X	22N			280
A 344R			J23-E*	22N				J41-Y	22N			280
A 345	10			180	150 51 67 86 5					250	220 51	7A
A 345A	2		SHLD A345	25N				E90-B	38N			163
A 345L			J23-F*	22N				J41-W	22N			280
A 345R			J23-H*	22N				J41-V	22N			280
A 346	10			320	300 50 64 56 5					250	220 52	7A
A 346A	2		SHLD A346	25N				E90-B	38N			163
A 346L			J23-N*	22N				T813-5A	19N	42		266
A 346R			J23-M*	22N				T813-4A	19N	42		266
A 347	10			180	150 50 64 56 5					250	220 52	7A
A 347A	2		SHLD A347	25N				E90-B	38N			163
A 347L			J23-S*	22N				T86-4A	19N	42		38
A 347R			J23-R*	22N				T86-1A	19N	42		38
A 348			DELETED									
A 349	10			290	200 90 68 60 5					250	220 51	7A
A 349A	2		SHLD A349	25N				E42-B	38N			171
A 349L			J24-B	22N				J35-G	22N			900

THE STD CONDUCTOR TERMINATION FIGURES ARE PER
DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AC | SHEET 56 OF 150

CONDUCTOR NUMBER	ITEM	INDIVIDUAL LENGTH	FROM CUT WIRE OF SHIELD	FROM STRIP WIRE OF JACKET	FROM CIRCUIT POINT	TERMINATION SPEC	TERMINATION ITEM NO	TO CUT WIRE OF SHIELD	TO STRIP WIRE OF JACKET	TO CIRCUIT POINT	TERMINATION SPEC	TERMINATION ITEM NO
A 344R			J23-G*	22N				J41-Y	02N			280
A 345	10			280	250 50 64 56 5					250	220 52	7A
A 345A	2		SHLD A345	25N				E90-B	38N			163
A 345L			J23-K*	22N				T87-4B	19N	42		93
A 345R			J23-J*	22N				T87-3B	19N	42		93
A 346	10			320	300 50 64 56 5					250	220 52	7A
A 346A	2		SHLD A346	25N				E90-B	38N			163
A 346L			J23-M*	22N				T813-5A	19N	42		266
A 346R			J23-M*	22N				T813-4A	19N	42		266
A 347	10			180	150 50 64 56 5					250	220 52	7A
A 347A	2		SHLD A347	25N				E90-B	38N			163
A 347L			J23-S*	22N				T86-4A	19N	42		38
A 347R			J23-R*	22N				T86-1A	19N	42		38
A 348			DELETED									
A 349	10			290	200 90 68 60 5					250	220 51	7A
A 349A	2		SHLD A349	25N				E42-B	38N			171
A 349L			J24-B	22N				J35-G	22N			900

GNW WIRING HARNESS A AD 1900712

CONDUCTOR INDIVIDUAL LENGTH		FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET			TERMINATION SPEC 1		TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET			TERMINATION SPEC 1	
NUMBER	ITEM NO. 2	CIRCUIT POINT	2	T N	ITEM NO.	NO.	CIRCUIT POINT	2	T N	ITEM NO.	NO.
A 362L		J24-F•	22	N		173	TB7- 5A	19	N	42	33
A 362R		J24-E•	22	N		173	TB7- 6A	19	N	42	33
A 363	10		230		200 50 64 56 5			250		220 52 7A	
A 363A	2	SHLD A363	25	N			E41-B	38	N		170
A 363L		J24-H•	22	N		173	TB17-17A	19	N	42	261
A 363R		J24-G•	22	N		173	TB17-18A	19	N	42	261
A 364	11		280		250 51 87 86 5			250		220 51 7A	
A 364A	2	SHLD A364	25	N			E41-B	38	N		170
A 364L		J24-M•	22	N		173	J41-CC	22	N		280
A 364R		J24-K•	22	N		173	J41-BB	22	N		280
A 365	10		330		300 50 64 56 5			250		220 52 7A	
A 365A	2	SHLD A365	25	N			E41-B	38	N		170
A 365L		J24-P•	22	N		173	J42-HH	22	N		279
A 365R		J24-N•	22	N		173	J42-GG	22	N		279
A 366	10		180		150 50 64 56 5			250		220 52 7A	
A 366A	2	SHLD A366	25	N			E42-B	38	N		171
A 366L		J24-R•	22	N		173	J42-EE	22	N		279
A 366R		J24-Q•	22	N		173	J42-FF	22	N		279

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A
1900712
SCALE - NONE
REV LTR AD
SHEET 59 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH		FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET			TERMINATION SPEC 1		TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET			TERMINATION SPEC 1	
NUMBER	ITEM NO. 2	CIRCUIT POINT	2	T N	ITEM NO.	NO.	CIRCUIT POINT	2	T N	ITEM NO.	NO.
A 368A	2	SHLD A368	25	N			E42-B	38	N		171
A 368L		J24-V•	22	N		173	J41-EE	22	N		280
A 368R		J24-U•	22	N		173	J41-DD	22	N		280
A 369	10		280		250 50 64 56 5			250		220 52 7A	
A 369A	2	SHLD A369	25	N			E42-B	38	N		171
A 369L		J24-X•	22	N		173	TB13- 5B	19	N	42	266
A 369R		J24-W•	22	N		173	TB13- 4B	19	N	42	266
A 370	10		330		300 50 64 56 5			250		220 52 7A	
A 370A	2	SHLD A370	25	N			E42-B	38	N		171
A 370L		J24-Y•	22	N		173	TB7- 3A	19	N	42	33
A 370R		J24-Z•	22	N		173	TB7- 4A	19	N	42	33
A 371	10		180		150 50 64 56 5			250		220 52 7A	
A 371A	2	SHLD A371	25	N			E42-B	38	N		171
A 371L		J24-HH	22	N		173	J41-FF	22	N		280
A 371R		J24-BB	22	N		173	J41-GG	22	N		280
A 372	10		230		200 50 64 56 5			250		220 52 7A	
A 372A	2	SHLD A372	25	N			E42-B	38	N		171
A 372U		J24-DD	22	N		173	TB13-18C	19	N	42	266

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A
1900712
SCALE - NONE
REV LTR AB
SHEET 60 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH		FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET			TERMINATION SPEC 1		TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET			TERMINATION SPEC 1	
NUMBER	ITEM NO. 2	CIRCUIT POINT	2	T N	ITEM NO.	NO.	CIRCUIT POINT	2	T N	ITEM NO.	NO.
A 372R		J24-CC	22	N		173	TB13-17C	19	N	42	266
A 373	7		230		200 52 53 54 5			250		220 53 7A	
A 373A	2	SHLD A373	25	N			E93-B	38	N		172
A 373W		J24-AA	22	N		173	J41-HH	22	N		280
A 375	14		330		300 57 65 50 5			250		220 52 7A	
A 375A	2	SHLD A375	25	N			E42-B	38	N		171
A 375L		J24-NN	22	N		173	J35-FF	22	N		300
A 375R		J24-MM	22	N		173	J35-EE	22	N		300
A 375Y		J24-PP	22	N		173	J35-GG	22	N		300
A 376	3	J25-B	22	N		154	E43-B	22	N		152
A 377	7		280		250 52 63 54 5			280		250 53 7A	
A 377A	2	SHLD A377	25	N			E44-B	38	N		153
A 377W		J25-D	22	N		154	J44-F•	22	N		274
A 378	7		280		250 52 63 54 5			280		280 53 7A	
A 378A	2	SHLD A378	25	N			E44-B	38	N		153
A 378W		J25-E	22	N		154	J44-G•	22	N		274
A 379	7		230		200 52 63 54 5			230		200 53 7A	
A 379A	2	SHLD A379	25	N			E44-B	38	N		153

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A
1900712
SCALE - NONE
REV LTR AB
SHEET 61 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH		FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET			TERMINATION SPEC 1		TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET			TERMINATION SPEC 1	
NUMBER	ITEM NO. 2	CIRCUIT POINT	2	T N	ITEM NO.	NO.	CIRCUIT POINT	2	T N	ITEM NO.	NO.
A 379W		J25-F	22	N		154	J44-1•	22	N		274
A 380	7		230		200 52 63 54 5			230		200 53 7A	
A 380A	2	SHLD A380	25	N			E44-B	38	N		153
A 380W		J25-G	22	N		154	J44-K•	22	N		274
A 381	3	J25-K	22	N		154	K34-10	31	Y	46	219
A 382	3	J25-L	22	N		154	K34-12	31	Y	46	219
A 383	12		180		150 90 67 59 5			250		220 51 7A	
A 383A	2	SHLD A383	25	N			E43-B	38	N		152
A 383L		J25-N	22	N		154	K34- 5	31	Y		213
A 383R		J25-M	22	N		154	K34- 3	31	Y		213
A 384	16		230		200 90 68 60 5			250		220 51 7A	
A 384A	2	SHLD A384	25	N			E43-B	38	N		152
A 384L		J25-S	22	N		154	K37- 7	31	Y		216
A 384R		J25-P	22	N		154	K37-10	31	Y		216
A 384Y		J25-R	22	N		154	K37- 4	31	Y		216
A 385	10		280		250 50 64 56 5			250		220 52 7A	
A 385A	2	SHLD A385	25	N			E43-B	38	N		152
A 385L		J25-U	22	N		154	K35-12	31	Y		214

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A
1900712
SCALE - NONE
REV LTR AB
SHEET 62 OF 150

CONDUCTOR NUMBER	ITEM NO	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO
A 385R			U25-T	22N	154	K35-10	31Y	214
A 386	10	330 300 50 64 56 5				250 220 52		7A
A 386A	2		SHLD A386	25N		E43-R	38N	152
A 386L			U25-W	22N	154	K35- 5	31Y	214
A 386R			U25-V	22N	154	K35- 3	31Y	214
A 387	14	180 150 50 65 57 5				250 220 52		7A
A 387A	2		SHLD A387	25N		E43-B	38N	152
A 387L			U25-Z	22N	154	K33-10	31Y 47	212
A 387R			U25-X	22N	154	K33- 5	31Y 47	212
A 387Y			U25-Y	22N	154	K33- 3	31Y 47	212
A 388	12	230 200 90 67 59 5				250 220 51		7A
A 388A	2		SHLD A388	25N		E43-B	38N	152
A 388L			U25-R*	22N	154	K21-10	31Y 47	180
A 388R			U25-A*	22N	154	K21-12	31Y 47	180
A 389	3		U25-C*	22N	154	K8- 5	31Y 47	39
A 390	3		U25-D*	22N	154	K8- 1	31Y 46	39
A 391	11	280 250 51 87 86 5				250 220 51		7A
A 391A	2		SHLD A391	25N		E44-B	38N	153

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AB | SHEET 63 OF 150

CONDUCTOR NUMBER	ITEM NO	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO
A 391L			U25-F*	22N	154	K21- 2	31Y 92	180
A 391R			U25-E*	22N	154	K21- 6	31Y 92	180
A 392	1		U25-M*	22N	154	TR13-11D	19N 42	266
A 393	7	330 300 52 63 54 5					200 170 53	7A
A 393A	2		SHLD A393	25N		E44-B	38N	153
A 393W			U25-N*	22N	154	U34-F	22N	901
A 394	15	180 150 51 66 86 5					250 220 51	7A
A 394A	2		SHLD A394	25N		E44-B	38N	153
A 394L			U25-KK	22Y	154	K47- 4	31Y 49	226
A 394R			U25-MM	22N	154	K47-10	31Y 49	226
A 394Y			U25-JJ	22N	154	K47- 7	31Y 48	226
A 395	15	290 200 51 66 86 5					250 220 51	7A
A 395A	2		SHLD A395	25N		E44-B	38N	153
A 395L			U25-NN	22N	154	K51- 4	31Y 49	230
A 395R			U25-LL	22N	154	K51-10	31Y 49	230
A 395Y			U25-MM	22N	154	K51- 7	31Y 48	230
A 396	3		U25-PP	22N	154	K22- 7	31Y 48	202
A 397	3		U26-B	22N	159	E47-R	38N	161

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AB | SHEET 64 OF 150

CONDUCTOR NUMBER	ITEM NO	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO
A 398	14	180 150 50 65 57 6				250 220 50 65 57 6		
A 398A	2		SHLD A398	25N		U26-S	22N	159
A 398B	2		U33-C	22N	304	SHLD A398	25N	
A 398L			U26-H	22N	159	U33-W*	22N	304
A 398R			U26-G	22N	159	U33-V*	22N	304
A 398Y			U26-J	22N	159	U33-X*	22N	304
A 399	14	230 200 50 65 57 6				250 220 50 65 57 6		
A 399A	2		SHLD A399	25N		U26-A	22N	159
A 399B	2		U38-C	22N	293	SHLD A399	25N	
A 399L			U26-L	22N	159	U38-W*	22N	293
A 399R			U26-K	22N	159	U38-V*	22N	293
A 399Y			U26-M	22N	159	U38-X*	22N	293
A 400	14	280 250 50 65 57 6				250 220 50 65 57 6		
A 400A	2		SHLD A400	25N		U26-T	22N	159
A 400B	2		U32-C	22N	307	SHLD A400	25N	
A 400L			U26-P	22N	159	U32-W*	22N	307
A 400R			U26-N	22N	159	U32-V*	22N	307
A 400Y			U26-R	22N	159	U32-X*	22N	307

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AB | SHEET 65 OF 150

CONDUCTOR NUMBER	ITEM NO	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO
A 401	12	330 300 90 67 59 5				250 220 51		7A
A 401A	2		SHLD A401	25N		E45-B	38N	161A
A 401L			U26-V	22N	159	TR7-10R	19N 43	33
A 401R			U26-U	22N	159	TR7- 9R	19N 44	33
A 402	7	180 150 52 63 54 5				200 170 54		7A
A 402A	2		SHLD A402	25N		E45-B	38N	161A
A 402W			U26-W	22N	159	U44-J*	22N	274
A 403	10	290 200 50 64 56 5				250 220 52		7A
A 403A	2		SHLD A403	25N		E47-B	38N	161
A 403L			U26-Z	22N	159	X24- 3	31Y 48	204
A 403R			U26-Y	22N	159	X24- 4	31Y 49	204
A 404	11	280 250 51 87 86 5				250 220 51		7A
A 404A	2		SHLD A404	25N		E45-R	38N	161A
A 404L			U26-C*	22N	159	X23- 3	31Y 48	203
A 404R			U26-B*	22N	159	X23- 4	31Y 49	203
A 405	11	330 300 51 87 86 5				250 220 51		7A
A 405A	2		SHLD A405	25N		E45-R	38N	161A
A 405L			U26-E*	22N	159	TR13- 8C	19N 42	266

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AB | SHEET 66 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO 1	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	FROM TERMINATION SPEC 1 ITEM NO	FROM TERMINATION SPEC 1 NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 3	TO TERMINATION SPEC 1 ITEM NO	TO TERMINATION SPEC 1 NO
A 405R		J26-D*	22N	159	TB13- 7C	19N 42	266
A 406	11		180 150 51 87 86 5			250 220 51 7A	
A 406A	2	SHLD A406	25N		E45-B	38N	161A
A 406L		J26-G*	22N	159	K39- 3	31Y 48	21R
A 406R		J26-F*	22N	159	K39- 4	31Y 49	218
A 407	10		250 200 50 64 56 5			250 220 52 7A	
A 407A	2	SHLD A407	25N		E46-B	38N	160
A 407L		J26-I*	22N	159	K54-14	31Y 48	241
A 407R		J26-H*	22N	159	K54-11	31Y 48	241
A 408	10		280 250 50 64 56 5			250 220 52 7A	
A 408A	2	SHLD A408	25N		E46-R	38N	160
A 408L		J26-K*	22N	159	K55- 7	31Y 48	242
A 408R		J26-J*	22N	159	K55- 4	31Y 48	242
A 409	10		330 300 50 64 56 5			250 220 52 7A	
A 409A	2	SHLD A409	25N		E46-B	38N	160
A 409L		J26-N*	22N	159	K60- 4	31Y 49	250
A 409R		J26-M*	22N	159	K60- 7	31Y 49	250
A 410	10		180 150 50 64 56 5			250 220 52 7A	

1. > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 67 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO 1	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	FROM TERMINATION SPEC 1 ITEM NO	FROM TERMINATION SPEC 1 NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 3	TO TERMINATION SPEC 1 ITEM NO	TO TERMINATION SPEC 1 NO
A 410A	2	SHLD A410	25N		E46-B	38N	160
A 410L		J26-Q*	22N	159	K43-13	31Y 49	222
A 410R		J26-P*	22N	159	K43-16	31Y 49	222
A 411	14		230 200 50 65 57 5			250 220 52 7A	
A 411A	2	SHLD A411	25N		E46-R	38N	160
A 411L		J26-S*	22N	159	K42- 7	31Y 49	221
A 411R		J26-R*	22N	159	K42-10	31Y 49	221
A 411Y		J26-T*	22N	159	K42- 4	31Y 49	221
A 412	10		280 250 50 64 56 5			250 220 52 7A	
A 412A	2	SHLD A412	25N		E46-R	38N	160
A 412L		J26-V*	22N	159	K64- 4	31Y 49	254
A 412R		J26-U*	22N	159	K64- 7	31Y 49	254
A 413	10		330 300 50 64 56 5			250 220 52 7A	
A 413A	2	SHLD A413	25N		E46-R	38N	160
A 413L		J26-X*	22N	159	K47-13	31Y 49	226
A 413R		J26-W*	22N	159	K47-16	31Y 49	226
A 414	10		180 150 50 64 56 5			250 220 52 7A	
A 414A	2	SHLD A414	25N		E47-B	38N	161

1. > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 68 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO 1	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	FROM TERMINATION SPEC 1 ITEM NO	FROM TERMINATION SPEC 1 NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 3	TO TERMINATION SPEC 1 ITEM NO	TO TERMINATION SPEC 1 NO
A 414L		J26-Z*	22N	159	K46-13	31Y 49	225
A 414R		J26-Y*	22N	159	K46-16	31Y 49	225
A 415	14		230 200 50 65 57 5			250 220 52 7A	
A 415A	2	SHLD A415	25N		E47-R	38N	161
A 415L		J26-CC	22N	159	K46- 7	31Y 49	225
A 415R		J26-BB	22N	159	K46-10	31Y 49	225
A 415Y		J26-DD	22N	159	K46- 4	31Y 49	225
A 416	10		280 250 50 64 56 5			250 220 52 7A	
A 416A	2	SHLD A416	25N		E47-B	38N	161
A 416L		J26-FF	22N	159	K68- 4	31Y 49	258
A 416R		J26-EE	22N	159	K68- 7	31Y 49	258
A 417	10		330 300 50 64 56 5			250 220 52 7A	
A 417A	2	SHLD A417	25N		E47-R	38N	161
A 417L		J26-HH	22N	159	K50-13	31Y 49	229
A 417R		J26-GG	22N	159	K50-16	31Y 49	229
A 418	10		180 150 50 64 56 5			250 220 52 7A	
A 418A	2	SHLD A418	25N		E47-B	38N	161
A 418L		J26-KK	22N	159	K51-13	31Y 49	230

1. > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 69 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO 1	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	FROM TERMINATION SPEC 1 ITEM NO	FROM TERMINATION SPEC 1 NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 3	TO TERMINATION SPEC 1 ITEM NO	TO TERMINATION SPEC 1 NO
A 418R		J26-JJ	22N	159	K51-16	31Y 49	230
A 419	14		230 200 50 65 57 5			250 220 52 7A	
A 419A	2	SHLD A419	25N		E47-B	38N	161
A 419L		J26-MM	22N	159	K50- 7	31Y 49	229
A 419R		J26-LL	22N	159	K50-10	31Y 49	229
A 419Y		J26-NN	22N	159	K50- 4	31Y 49	229
A 420	3	J27-B	22N	168	E48-B	38N	167
A 421	3	J27-M	22N	168	J38-A*	22N	293
A 422	3	J27-N	22N	168	J33-A*	22N	304
A 423	3	J27-P	22N	168	J32-Z	22N	307
A 424	1	J27-S	22N	168	TB17- 9A	19N 42	261
A 425	15		180 150 51 66 86 5			250 220 51 7A	
A 425A	2	SHLD A425	25N		E48-B	38N	167
A 425L		J27-V	22N	168	K36- 8	31Y 47	215
A 425R		J27-T	22N	168	K36- 1	31Y 47	215
A 425Y		J27-U	22N	168	K36- 7	31Y 47	215
A 426	1	J27-Y	22N	168	TB7-11C	19N 42	33
A 427	1	J27-Z	22N	168	TB13- 3B	19N 42	266

1. > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 70 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. 3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC 1	FROM ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC 1	TO ITEM NO	TO NO
A 428	10		230	200 50 64 56 5			250 220 52	7A	
A 428A	2	SHLD A428	25N			E48-B	38N		167
A 428L		U27-B*	22N		168	K21- 3	31Y		180
A 428R		U27-A*	22N		168	K21- 5	31Y		180
A 429	14		280	250 50 65 57 5			250 220 52	7A	
A 429A	2	SHLD A429	25N			E48-B	38N		167
A 429L		U27-E*	22N		168	K33- 8	31Y	47	212
A 429R		U27-C*	22N		168	K33- 7	31Y	47	212
A 429W		U27-D*	22N		168	K33- 1	31Y	47	217
A 430	10		330	300 50 64 56 5			250 220 52	7A	
A 430A	2	SHLD A430	25N			E48-R	38N		167
A 430L		U27-G*	22N		168	K35- 7	31Y	46	214
A 430R		U27-F*	22N		168	K35- 1	31Y	46	214
A 431	10		180	150 50 64 56 5			250 220 52	7A	
A 431A	2	SHLD A431	25N			E48-R	38N		167
A 431L		U27-I*	22N		168	TB11- 6D	19N	42	37
A 431R		U27-H*	22N		168	TB11- 4D	19N	42	37
A 432	3	U27-J*	22N		168	E87-B	38N		263

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AR | SHEET 71 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. 3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC 1	FROM ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC 1	TO ITEM NO	TO NO
A 433	3	U27-M*	22N		168	K34- 8	31Y	47	213
A 434	3	U27-N*	22N		168	K34-14	31Y	47	213
A 435	8	U27-P*	22N		168	J8-W*	22N		25
A 436	7		280	250 52 63 54 5			250 200 53	7A	
A 436A	2	SHLD A436	25N			E48-B	38N		167
A 436W		U27-Q*	22N		168	J33-I*	22N		304
A 437	7		280	250 52 63 54 5			250 200 53	7A	
A 437A	2	SHLD A437	25N			E48-B	38N		167
A 437W		U27-R*	22N		168	J38-I*	22N		293
A 438	7		250	220 52 63 54 5			250 200 53	7A	
A 438A	2	SHLD A438	25N			E48-R	38N		167
A 438W		U27-S*	22N		168	J32-I*	22N		307
A 439	7		250	220 52 63 54 5			250 200 53	7A	
A 439A	2	SHLD A439	25N			E48-R	38N		167
A 439W		U27-T*	22N		168	J32-A*	22N		307
A 440	1	U27-AA	22N		168	TB13- 6R	19N	42	266
A 441	1	U27-BB	22N		168	TB11- 1B	19N	42	37
A 442	1	U27-CC	22N		168	J45-P*	22N		268

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 72 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. 3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC 1	FROM ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC 1	TO ITEM NO	TO NO
A 442	1	U27-CC	22N		168	J45-P*	22N		268
A 443	1	U27-DD	22N		168	J45-Q*	22N		268
A 444	1	U27-EE	22N		168	J45-R*	22N		268
A 448	1	U27-KK	22N		168	J39-CC	22N		291
A 449	10		230	200 50 64 56 5			250 220 52	7A	
A 449A	2	SHLD A449	25N			E48-B	38N		167
A 449L		U27-NN	22N		168	K42-13	31Y	49	221
A 449R		U27-MM	22N		168	K42-16	31Y	49	221
A 450	5	U27-PP	22N		168	K22- 8	31Y	47	202
A 451	5	U30-A	41Y	46	314	TB3- 9	19N	40	69
A 452	5	U30-B	41Y	46	314	TB3-10	19N	40	68
A 453	5	U30-C	41Y	46	314	TB3- 3	19N	40	76
A 454	5	U30-D	41Y	46	314	TB3- 2	19N	40	77
A 455	6	U30-E	41Y	46	314	TB14- 4	31N	41	265
A 456	1	DELETED							
A 457	5	U31-B	22N		311	E50-B	38N		312
A 458	1	DELETED							
A 459	10		180	150 50 64 56 5			250 220 52	7A	

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AC | SHEET 73 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. 3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC 1	FROM ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC 1	TO ITEM NO	TO NO
A 459L		U31-Z	22N		311	TB13-16B	19N	42	266
A 459R		U31-Y	22N		311	TB13-15B	19N	42	266
A 460	10		230	200 50 64 56 5			250 220 52	7A	
A 460A	2	SHLD A460	25N			E50-B	38N		312
A 460L		U31-C*	22N		311	TB13-16E	19N	42	266
A 460R		U31-B*	22N		311	TB13-15E	19N	42	266
A 461	10		280	250 50 64 56 5			250 220 52	7A	
A 461A	2	SHLD A461	N			E50-B	38N		312
A 461L		U31-F*	22N		311	TB17-17B	19N	42	261
A 461R		U31-E*	22N		311	TB17-18B	19N	42	261
A 462	10		330	300 50 64 56 5			250 220 52	7A	
A 462A	2	SHLD A462	25N			E50-B	38N		312
A 462L		U31-H*	22N		311	TB7- 6B	19N	42	33
A 462R		U31-G*	22N		311	TB7- 5B	19N	42	33
A 463	10		180	150 50 64 56 5			250 220 52	7A	
A 463A	2	SHLD A463	25N			E50-B	38N		312
A 463L		U31-J*	22N		311	TB17-14A	19N	42	261
A 463R		U31-I*	22N		311	TB17-13A	19N	42	261

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 74 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.
A 464	10		230	200 50 64 56 5				250	220 52	7A	
A 464A	2	SHLD A464	25N				E50-R	38N			312
A 464L		U31-N*	22N			311	U41-R*	22N			280
A 464R		U31-M*	22N			311	U41-Q*	22N			280
A 465	10		280	250 50 64 56 5				250	220 52	7A	
A 465A	2	SHLD A465	25N				E50-R	38N			312
A 465L		U31-Q*	22N			311	U41-T*	22N			280
A 465R		U31-P*	22N			311	U41-S*	22N			280
A 466	10		330	300 50 64 56 5				250	220 52	7A	
A 466A	2	SHLD A466	25N				E50-R	38N			312
A 466L		U31-S*	22N			311	U36-BB	22N			298
A 466R		U31-R*	22N			311	U36-AA	22N			298
A 468	7		180	150 52 63 54 5				200	170 53	7A	
A 468A	2	SHLD A468	25N				E50-R	38N			317
A 468W		U31-T*	22N			311	U36-CC	22N			298
A 469	10		230	200 50 64 56 5				250	220 52	7A	
A 469A	2	SHLD A469	25N				E51-B	38N			313
A 469L		U31-V*	22N			311	J42-X*	22N			279

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 75 OF 150

GNW WIRING HARNESS A AD 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.
A 469L		J31-V*	22N			311	J42-X*	22N			279
A 469R		J31-U*	22N			311	J42-W*	22N			279
A 470	10		280	250 50 64 56 5				250	220 52	7A	
A 470A	2	SHLD A470	25N				E51-B	38N			313
A 470L		J31-W*	22N			311	J42-Z*	22N			279
A 470R		J31-X*	22N			311	J42-Y*	22N			279
A 471	14		330	300 50 65 57 6				250	220 50 65 57 6		
A 471A	2	SHLD A471	25N				J31-C	22N			311
A 471B	2	J36-X	22N			298	SHLD A471	25N			
A 471L		J31-Z*	22N			311	J36-EE	22N			298
A 471R		J31-Y*	22N			311	J36-DD	22N			298
A 471Y		J31-AA	22N			311	J36-FF	22N			298
A 472	10		180	150 50 64 56 5				250	220 52	7A	
A 472A	2	SHLD A472	25N				E51-B	38N			313
A 472L		J31-DD	22N			311	TB17-16C	19N	42		261
A 472R		J31-CC	22N			311	TB17-15C	19N	42		261
A 473	7		230	200 52 63 54 5				200	170 53	7A	
A 473A	2	SHLD A473	25N				E51-B	38N			313

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AD | SHEET 76 OF 150

GNW WIRING HARNESS A AC 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.
A 473W		J31-EE	22N			311	K27- 3	31Y			206
A 474	1	J31-FF	22N			311	TB15-14B	19N	42		266
A 476	10		330	300 50 64 56 5				250	220 52	7A	
A 476A	2	SHLD A476	25N				E51-B	38N			313
A 476L		U31-UU	22N			311	U36-HH	22N			298
A 476R		U31-HH	22N			311	U36-GG	22N			298
A 477	14		180	150 50 65 57 5				250	220 52	7A	
A 477A	2	SHLD A477	25N				E51-B	38N			313
A 477U		U31-LL	22N			311	U35-N*	22N			300
A 477R		U31-KK	22N			311	U35-M*	22N			300
A 477Y		U31-MM	22N			311	U35-P*	22N			300
A 478	11		230	200 51 87 86 5				250	220 51	7A	
A 478A	2	SHLD A478	25N				E51-B	38N			313
A 478L		U31-PP	22N			311	TB6- 9E	19N	42		38
A 478R		U31-NN	22N			311	TB6- 2E	19N	42		38
A 479		DELETED									
A 480	3	U32-B	22N			307	E52-B	38N			308
A 481		DELETED									

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AC | SHEET 77 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.
A 483	10		180	150 50 64 56 5				250	220 52	7A	
A 483A	2	SHLD A483	25N				E52-B	38N			308
A 483L		U32-D*	22N			307	TB11- 5A	19N	42		37
A 483R		U32-C*	22N			307	TB11- 4A	19N	42		37
A 484	10		230	200 50 64 56 5				250	220 52	7A	
A 484A	2	SHLD A484	25N				E52-B	38N			308
A 484L		U32-F*	22N			307	K51-14	31Y			230
A 484R		U32-E*	22N			307	K51-17	31Y			230
A 485	10		280	250 50 64 56 5				250	220 52	7A	
A 485A	2	SHLD A485	25N				E52-B	38N			308
A 485L		U32-H*	22N			307	TB17- 6C	19N	42		261
A 485R		U32-G*	22N			307	TB17- 5C	19N	42		261
A 486	10		330	300 50 64 56 5				250	220 52	7A	
A 486A	2	SHLD A486	25N				E52-B	38N			308
A 486L		U32-K*	22N			307	K66-10	31Y	49		256
A 486R		U32-J*	22N			307	K66-13	31Y	49		256
A 487	10		180	150 50 64 56 5				250	220 52	7A	
A 487A	2	SHLD A487	25N				E52-B	38N			308

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 78 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO	TO NO.
A 487L		U32-N*	22N	307	K66- 4	31Y 49	256
A 487R		U32-M*	22N	307	K66- 7	31Y 49	256
A 488	10		230 200 50 64 56 5			250 220 52	7A
A 488A	2	SHLD A488	25N		E52-B	38N	308
A 488L		U32-Q*	22N	307	K68- 5	31Y 49	258
A 488R		U32-P*	22N	307	K68- 8	31Y 49	258
A 489	10		280 250 50 64 56 5			250 220 52	7A
A 489A	2	SHLD A489	25N		E52-B	38N	308
A 489L		U32-S*	22N	307	K65-10	31Y 49	255
A 489R		U32-R*	22N	307	K65-13	31Y 49	255
A 490	10		930 300 50 64 56 5			250 220 52	7A
A 490A	2	SHLD A490	25N		E53-B	38N	309
A 490L		U32-U*	22N	307	K65- 4	31Y 49	255
A 490R		U32-T*	22N	307	K65- 7	31Y 49	255
A 491	10		180 150 50 64 56 5			250 220 52	7A
A 491A	2	SHLD A491	25N		E53-B	38N	309
A 491L		U32-Z*	22N	307	TB17-20B	19N 42	261
A 491R		U32-Y*	22N	307	TB17-19B	19N 42	261

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 79 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO	TO NO.
A 492	10		280 250 50 64 56 5			280 250 52	7A
A 492A	2	SHLD A492	25N		E53-R	38N	309
A 492L		U32-CC	22N	307	TB13- 2R	19N 42	266
A 492R		U32-BB	22N	307	TB13- 1B	19N 42	266
A 494	1	U32-DD	22N	307	TB13-11C	19N 42	266
A 495	14		230 200 50 65 57 5			250 220 52	7A
A 495A	2	SHLD A495	25N		E53-B	38N	309
A 495L		U32-EE	22N	307	K50- 8	31Y	229
A 495R		U32-GG	22N	307	K50-11	31Y	229
A 495Y		U32-FF	22N	307	K50- 5	31Y 49	229
A 496	14		180 150 50 65 57 5			250 220 52	7A
A 496A	2	SHLD A496	25N		E53-B	38N	309
A 496L		U32-HH	22N	307	K51- 5	31Y 49	230
A 496R		U32-JJ	22N	307	K51-11	31Y 49	230
A 496Y		U32-KK	22N	307	K51- 7	31Y	230
A 497	11		230 200 51 87 86 5			250 220 51	7A
A 497A	2	SHLD A497	25N		E53-B	38N	309
A 497L		U32-MM	22N	307	TB6- 4C	19N 42	38

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 80 OF 150

GNW WIRING HARNESS A AC 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO	TO NO.
A 497L		U32-MM	22N	307	TB6- 4C	19N 42	38
A 497M		U32-LL	22N	307	TB6- 1C	19N 42	38
A 498	7		280 250 52 63 54 5			200 170 53	7A
A 498A	2	SHLD A498	25N		E53-B	38N	309
A 498M		U32-NN	22N	307	TB11- 2C	19N 42	37
A 499	7		330 300 52 63 54 5			200 170 53	7A
A 499A	2	SHLD A499	25N		E53-B	38N	309
A 499M		U32-PP	22N	307	TB11- 2B	19N 42	37
A 500		DELETED					
A 501	3	U33-B	22N	304	E54-B	38N	305
A 502		DELETED					
A 503	1	U33-B*	22N	304	TB19-10B	19N 42	266
A 504	10		180 150 50 64 56 5			250 220 52	7A
A 504A	2	SHLD A504	25N		E54-B	38N	305
A 504L		U33-D*	22N	304	TB11- 5B	19N 42	37
A 504R		U33-C*	22N	304	TB11- 4B	19N 42	37
A 505	10		230 200 50 64 56 5			250 220 52	7A
A 505A	2	SHLD A505	25N		E54-B	38N	305

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AC | SHEET 81 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO	TO NO.
A 505R		U33-E*	22N	304	K46-17	31Y	225
A 506	10		280 250 50 64 56 5			250 220 52	7A
A 506A	2	SHLD A506	25N		E54-B	38N	305
A 506L		U33-H*	22N	304	TB17- 4A	19N 42	261
A 506R		U33-G*	22N	304	TB17- 3A	19N 42	261
A 507	10		330 300 50 64 56 5			250 220 52	7A
A 507A	2	SHLD A507	25N		E54-B	38N	305
A 507L		U33-K*	22N	304	K62-10	31Y 49	252
A 507R		U33-J*	22N	304	K62-13	31Y 49	252
A 508	10		180 150 50 64 56 5			250 220 52	7A
A 508A	2	SHLD A508	25N		E54-B	38N	305
A 508L		U33-N*	22N	304	K62- 4	31Y 49	252
A 508R		U33-M*	22N	304	K62- 7	31Y 49	252
A 509	10		230 200 50 64 56 5			250 220 52	7A
A 509A	2	SHLD A509	25N		E54-B	38N	305
A 509L		U33-Q*	22N	304	K64- 5	31Y 49	254
A 509R		U33-P*	22N	304	K64- 8	31Y 49	254
A 510	10		280 250 50 64 56 5			250 220 52	7A

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 82 OF 150

CONDUCTOR INDIVIDUAL LENGTH ITEM NO / NUMBER	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET / CIRCUIT POINT	FROM TERMINATION SPEC / ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET / CIRCUIT POINT	TO TERMINATION SPEC / ITEM NO	TO NO.
A 510A 2	SHLD A510	25N		E54-B	38N	305
A 510L	J33-S*	22N	304	K61-10	31Y 49	251
A 510R	J33-R*	22N	304	K61-13	31Y 49	251
A 511 10	330 300 50 64 56 5			250 220 52	7A	
A 511A 2	SHLD A511	25N		E54-B	38N	305
A 511L	J33-U*	22N	304	K61- 4	31Y 49	251
A 511R	J33-T*	22N	304	K61- 7	31Y 49	251
A 512 10	180 150 50 64 56 5			250 220 52	7A	
A 512A 2	SHLD A512	25N		E55-B	38N	306
A 512L	J33-Z*	22N	304	TR17-20C	19N 42	761
A 512R	J33-Y*	22N	304	TB17-19C	19N 42	761
A 513 10	780 250 50 64 56 5			780 250 52	7A	
A 513A 2	SHLD A513	25N		E54-B	38N	305
A 513L	J33-CC	22N	304	TB13- 2C	19N 42	266
A 513R	J33-BB	22N	304	TB13- 1C	19N 42	266
A 515 1	J33-DD	22N	304	TB13-11A	19N 42	266
A 516 14	230 200 50 65 57 5			250 220 52	7A	
A 516A 2	SHLD A516	25N		E55-B	38N	306

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AP | SHEET 83 OF 150

CONDUCTOR INDIVIDUAL LENGTH ITEM NO / NUMBER	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET / CIRCUIT POINT	FROM TERMINATION SPEC / ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET / CIRCUIT POINT	TO TERMINATION SPEC / ITEM NO	TO NO.
A 516L	J33-EE	22N	304	K46- 8	31Y	225
A 516R	J33-GG	22N	304	K46-11	31Y	225
A 516Y	J33-FF	22N	304	K46- 5	31Y 49	225
A 517 14	280 250 50 65 57 5			250 220 52	7A	
A 517A 2	SHLD A517	25N		E55-B	38N	306
A 517L	J33-MM	22N	304	K47- 5	31Y 49	226
A 517R	J33-JJ	22N	304	K47-11	31Y 49	226
A 517Y	J33-KK	22N	304	K47- 7	31Y	226
A 518 11	330 300 51 87 86 5			250 220 51	7A	
A 518A 2	SHLD A518	25N		E55-B	38N	306
A 518L	J33-MM	22N	304	TR6- 4D	19N 42	38
A 518R	J33-LL	22N	304	TB6- 1D	19N 42	38
A 519 7	180 150 52 63 54 5			200 170 53	7A	
A 519A 2	SHLD A519	25N		E55-B	38N	306
A 519M	J33-NN	22N	304	TB11- 2E	19N 42	37
A 520 7	230 200 52 63 54 5			200 170 53	7A	
A 520A 2	SHLD A520	25N		E55-B	38N	306
A 520W	J33-PP	22N	304	TB11- 2D	19N 42	37

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AR | SHEET 84 OF 150

CONDUCTOR INDIVIDUAL LENGTH ITEM NO / NUMBER	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET / CIRCUIT POINT	FROM TERMINATION SPEC / ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET / CIRCUIT POINT	TO TERMINATION SPEC / ITEM NO	TO NO.
A 521 3	J34-B	22N	301	E62-B	38N	292
A 522 12	180 150 90 67 59 5			250 220 51	7A	
A 522A 2	SHLD A522	25N		E62-B	38N	292
A 522L	J34-N	22N	301	TB17-12A	19N 43	261
A 522R	J34-M	22N	301	TB17-11A	19N 43	261
A 523 11	230 200 51 87 86 5			250 220 51	7A	
A 523A 2	SHLD A523	25N		E56-B	38N	302
A 523L	J34-R	22N	301	TR17-12B	19N 42	261
A 523R	J34-P	22N	301	TB17-11B	19N 42	261
A 524 12	280 250 90 67 59 5			250 220 51	7A	
A 524A 2	SHLD A524	25N		E56-B	38N	302
A 524L	J34-V	22N	301	TB17- 9B	19N 43	261
A 524R	J34-U	22N	301	TB17-10B	19N 43	261
A 525 2	J34-W	22N	301	K45- 1	31Y 48	226
A 526 2	J34-X	22N	301	K49- 1	31Y 48	228
A 527 2	J34-Y	22N	301	K53- 1	31Y 48	232
A 528 3	J34-Z	22N	301	K68- 1	31Y 48	258
A 529 10	330 300 50 64 56 5			250 220 52	7A	

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AR | SHEET 85 OF 150

CONDUCTOR INDIVIDUAL LENGTH ITEM NO / NUMBER	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET / CIRCUIT POINT	FROM TERMINATION SPEC / ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET / CIRCUIT POINT	TO TERMINATION SPEC / ITEM NO	TO NO.
A 529A 2	SHLD A529	25N		E56-B	38N	302
A 529L	J34-B*	22N	301	J39-R	22N	291
A 529R	J34-A*	22N	301	J39-P	22N	291
A 530 11	330 300 51 87 86 5			250 220 51	7A	
A 530A 2	SHLD A530	25N		E56-B	38N	302
A 530L	J34-D*	22N	301	J39-T	22N	291
A 530R	J34-C*	22N	301	J39-S	22N	291
A 531 10	180 150 50 64 56 5			250 220 52	7A	
A 531A 2	SHLD A531	25N		E56-B	38N	302
A 531L	J34-F*	22N	301	J39-N	22N	291
A 531R	J34-E*	22N	301	J39-M	22N	291
A 532 11	230 200 51 87 86 5			250 220 51	7A	
A 532A 2	SHLD A532	25N		E56-B	38N	302
A 532L	J34-H*	22N	301	TB6- 5D	19N 42	38
A 532R	J34-G*	22N	301	TR6- 2D	19N 43	38
A 533 1	J34-I*	22N	301	J39-U	22N	291
A 534 1	J34-J*	22N	301	J39-V	22N	291
A 535 1	J34-K*	22N	301	J39-W	22N	291

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AR | SHEET 86 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	NO	ITEM 1	ITEM 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	3	4	5	TERMINATION SPEC 1	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	3	4	5	TERMINATION SPEC 1	ITEM NO	NO
A 536	1			J34-M*	22N					301	K60- 1	31Y		48			250
A 537	1			J34-O*	22N					301	J39-V	22N					291
A 538	1			J34-S*	22N					301	J39-Z	22N					291
A 539	1			J34-T*	22N					301	J39-B*	22N					291
A 540	1			J34-U*	22N					301	J39-C*	22N					291
A 541	3			J34-W*	22N					301	K64- 1	31Y		48			254
A 542	7				280	250	52	63	54	5		200	170	53		7A	
A 542A	2			SHLD A542	25N						E94-B	38N					303
A 542W				J34-X*	22N					301	J39-F*	22N					291
A 543	3			J34-Y*	22N					301	J39-G*	22N					291
A 544	7				330	300	52	63	54	5		200	170	53		7A	
A 544A	2			SHLD A544	25N						E94-B	38N					303
A 544W				J34-Z*	22N					301	J39-H*	22N					291
A 545	3			J34-AA	22N					301	J39-I*	22N					291
A 546	3			J34-BB	22N					301	J39-J*	22N					291
A 547	7				180	150	52	63	54	5		200	170	53		7A	
A 547A	2			SHLD A547	25N						E94-B	38N					303
A 547W				J34-CC	22N					301	J39-K*	22N					291

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 87 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	NO.	ITEM 1	ITEM 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	3	4	5	TERMINATION SPEC 1	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	3	4	5	TERMINATION SPEC 1	ITEM NO	NO
A 549	1			J34-EE	22N					301	J39-N*	22N					291
A 550	7				230	200	52	63	54	5		200	170	53		7A	
A 550A	2			SHLD A550	25N						E94-B	38N					303
A 550W				J34-FF	22N					301	J39-P*	22N					291
A 551	7				280	250	52	63	54	5		200	170	53		7A	
A 551A	2			SHLD A551	25N						E94-B	38N					303
A 551W				J34-GG	22N					301	J39-O*	22N					291
A 552	3			J35-B	22N					300	E57-B	38N					299
A 553	10				180	150	50	64	56	5		250	220	52		7A	
A 553A	2			SHLD A553	25N						E57-B	38N					299
A 553L				J35-M	22N					300	K32- 3	31Y					211
A 553R				J35-L	22N					300	K32- 5	31Y					211
A 554	10				230	200	50	64	56	5		250	220	52		7A	
A 554A	2			SHLD A554	25N						E57-B	38N					299
A 554L				J35-P	22N					300	K31- 5	31Y					210
A 554R				J35-N	22N					300	K31-10	31Y					210
A 555	10				280	250	50	64	56	5		250	220	52		7A	
A 555A	2			SHLD A555	25N						E57-B	38N					299

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 88 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	NO.	ITEM 1	ITEM 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	3	4	5	TERMINATION SPEC 1	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	3	4	5	TERMINATION SPEC 1	ITEM NO	NO.
A 555L				J35-Z	22N					300	K32-10	31Y					211
A 555R				U35-Y	22N					300	K32-12	31Y					211
A 556	7				330	300	52	63	54	5		200	170	53		7A	
A 556A	2			SHLD A556	25N						E57-B	38N					299
A 556W				J35-D*	22N					300	J37-F*	22N					295
A 557	10				180	150	50	64	56	5		250	220	52		7A	
A 557A	2			SHLD A557	25N						E57-B	38N					299
A 557L				J35-F*	22N					300	J37-H*	22N					295
A 557R				J35-E*	22N					300	J37-G*	22N					295
A 558	14				230	200	50	65	57	5		250	220	52		7A	
A 558A	2			SHLD A558	25N						E57-B	38N					299
A 558L				J35-H*	22N					300	J37-HH	22N					295
A 558R				J35-G*	22N					300	J37-GG	22N					295
A 558Y				J35-I*	22N					300	J37-JJ	22N					295
A 559	1			J35-Q*	22N					300	J43-X	22N					275
A 560	1			J35-Y*	22N					300	TB13- 9C	19N		42			266
A 561	3			J36-B	22N					298	E58-B	38N					297
A 562	10				280	250	50	64	56	5		250	220	52		7A	

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 89 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	NO.	ITEM 1	ITEM 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	3	4	5	TERMINATION SPEC 1	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	3	4	5	TERMINATION SPEC 1	ITEM NO	NO.
A 562A	2			SHLD A562	25N						E58-B	38N					297
A 562L				J36-F*	22N					298	K19- 1	31Y		47			177
A 562R				J36-E*	22N					298	K19- 7	31Y		47			177
A 563	10				330	300	50	64	56	5		250	220	52		7A	
A 563A	2			SHLD A563	25N						E58-B	38N					297
A 563L				J36-H*	22N					298	K19- 2	31Y		47			177
A 563R				J36-G*	22N					298	K19- 6	31Y		47			177
A 564	10				180	150	50	64	56	5		250	220	52		7A	
A 564A	2			SHLD A564	25N						E58-B	38N					297
A 564L				J36-J*	22N					298	K30- 1	31Y		47			209
A 564R				J36-I*	22N					298	K30- 7	31Y		47			209
A 565	10				230	200	50	64	56	5		250	220	52		7A	
A 565A	2			SHLD A565	25N						E58-B	38N					297
A 565L				J36-M*	22N					298	K30- 2	31Y		47			209
A 565R				J36-K*	22N					298	K30- 6	31Y		47			209
A 566	10				280	250	50	64	56	5		250	220	52		7A	
A 566A	2			SHLD A566	25N						E58-B	38N					297
A 566L				J36-P*	22N					298	J37-P*	22N					295

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 90 OF 150

GRW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO.	TO NO.
A 566R		J36-N*	22N	298	J37-N*	22N	295
A 567	7		330 300 52 63 54 5		200 170 53	7A	
A 567A	2	SHLD A567	25N		E58-R	38N	297
A 567W		J36-Q*	22N	298	J37-Q*	22N	295
A 568	10		180 150 50 64 56 5		250 220 52	7A	
A 568A	2	SHLD A568	25N		E58-R	38N	297
A 568L		J36-S*	22N	298	J37-S*	22N	295
A 568R		J36-R*	22N	298	J37-R*	22N	295
A 569	10		230 200 50 64 56 5		250 220 52	7A	
A 569A	2	SHLD A569	25N		E58-B	38N	297
A 569L		J36-U*	22N	298	J37-U*	22N	295
A 569R		J36-T*	22N	298	J37-T*	22N	295
A 570	14		280 250 50 65 57 6		250 220 50 65 57 6		
A 570A	2	SHLD A570	25N		J36-W	22N	298
A 570B	2	J37-C	22N	295	SHLD A570	25N	
A 570L		J38-W*	22N	298	J37-W*	22N	295
A 570R		J36-V*	22N	298	J37-V*	22N	295
A 570Y		J36-X*	22N	298	J37-X*	22N	295

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 91 OF 150

GRW WIRING HARNESS A AC 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO.	TO NO.
A 570Y		J36-X*	22N	298	J37-X*	22N	295
A 571	10		330 300 50 64 56 5		250 220 52	7A	
A 571A	2	SHLD A571	25N		E58-B	38N	297
A 571L		J36-Z*	22N	298	J37-FF	22N	299
A 571R		J36-Y*	22N	298	J37-EE	22N	295
A 572		DELETED					
A 573	5	J37-B	22N	295	E61-B	38N	271
A 574		DELETED					
A 575	10		180 150 50 64 56 5		250 220 52	7A	
A 575A	2	SHLD A575	25N		E61-B	38N	271
A 575L		J37-Z	22N	295	TB13-16A	19N 42	266
A 575R		J37-Y	22N	295	TB13-15A	19N 42	266
A 576	10		230 200 50 64 56 5		250 220 52	7A	
A 576A	2	SHLD A576	25N		E61-B	38N	271
A 576L		J37-C*	22N	295	TB7- AD	19N 42	33
A 576R		J37-D*	22N	295	TB7- 3D	19N 42	33
A 577	10		280 250 50 64 56 5		250 220 52	7A	
A 577A	2	SHLD A577	25N		E59-B	38N	296

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AC | SHEET 92 OF 150

GRW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO.	TO NO.
A 577R		J37-D*	22N	295	TB13- 4C	19N 42	266
A 578	10		330 300 50 64 56 5		250 220 52	7A	
A 578A	2	SHLD A578	25N		E59-R	38N	296
A 578L		J37-J*	22N	295	J41-E*	22N	280
A 578R		J37-I*	22N	295	J41-F*	22N	280
A 579	10		180 150 50 64 56 5		250 220 52	7A	
A 579A	2	SHLD A579	25N		E59-B	38N	296
A 579L		J37-K*	22N	295	J41-H*	22N	280
A 579R		J37-H*	22N	295	J41-G*	22N	280
A 580	10		230 200 50 64 56 5		250 220 52	7A	
A 580A	2	SHLD A580	25N		E59-B	38N	296
A 580L		J37-Z*	22N	295	TB17-16D	19N 42	261
A 580R		J37-Y*	22N	295	TB17-15D	19N 42	261
A 581	7		280 250 52 63 54 5		200 170 53	7A	
A 581A	2	SHLD A581	25N		E59-R	38N	296
A 581W		J37-BB	22N	295	K28- 3	B1Y	207
A 583	11		180 150 51 87 86 5		250 220 51	7A	
A 583A	2	SHLD A583	25N		E59-B	38N	296

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 93 OF 150

GRW WIRING HARNESS A AC 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO.	TO NO.
A 583A	2	SHLD A583	25N		E59-B	38N	296
A 583L		J37-LL	22N	295	TB6- 4E	19N 42	38
A 583R		J37-KK	22N	295	TB6- 1E	19N 42	38
A 584	14		230 200 50 65 57 5		250 220 52	7A	
A 584A	2	SHLD A584	25N		E59-B	38N	296
A 584L		J37-MM	22N	295	TB13-20D	19N 42	266
A 584R		J37-PP	22N	295	TB13-19D	19N 42	266
A 584Y		J37-NN	22N	295	TB13-20E	19N 42	266
A 585		DELETED					
A 586	3	J38-B	22N	295	E60-B	38N	294
A 587		DELETED					
A 588	1	J38-B*	22N	295	TB13-10A	19N 42	266
A 589	10		180 150 50 64 56 5		250 220 52	7A	
A 589A	2	SHLD A589	25N		E60-B	38N	294
A 589L		J38-D*	22N	295	TB11- 5C	19N 42	37
A 589R		J38-C*	22N	295	TB11- 4C	19N 42	37
A 590	10		230 200 50 64 56 5		250 220 52	7A	
A 590A	2	SHLD A590	25N		E60-B	38N	294

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AC | SHEET 94 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	TERMINATION SPEC 1 ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	TERMINATION SPEC 1 ITEM NO	NO.
A 590R		J38-E*	22N		293	K42-17	31Y		221
A 591	10		280	250 50 64 56 5			250	220 52 7A	
A 591A	2	SHLD A591	25N			E60-B	38N		294
A 591L		J38-H*	22N		293	TB17- 2A	19N	42	261
A 591R		J38-G*	22N		293	TB17- 1A	19N	42	261
A 592	10		330	300 50 64 56 5			250	220 52 7A	
A 592A	2	SHLD A592	25N			E60-B	38N		294
A 592L		J38-K*	22N		293	K58-10	31Y	49	248
A 592R		J38-J*	22N		293	K58-13	31Y	49	248
A 593	10		180	150 53 64 56 5			250	220 52 7A	
A 593A	2	SHLD A593	25N			E60-R	38N		294
A 593L		J38-N*	22N		293	K58- 4	31Y	49	248
A 593R		J38-M*	22N		293	K58- 7	31Y	49	248
A 594	10		230	200 50 64 56 5			250	220 52 7A	
A 594A	2	SHLD A594	25N			E60-B	38N		294
A 594L		J38-Q*	22N		293	K60- 5	31Y	49	250
A 594R		J38-P*	22N		293	K60- 8	31Y	49	250
A 595	10		280	250 50 64 56 5			250	220 52 7A	

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AR | SHEET 95 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	TERMINATION SPEC 1 ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	TERMINATION SPEC 1 ITEM NO	NO.
A 595A	2	SHLD A595	25N			E60-B	38N		294
A 595L		J38-S*	22N		293	K57-10	31Y	49	247
A 595R		J38-R*	22N		293	K57-13	31Y	49	247
A 596	10		330	300 50 64 56 5			250	220 52 7A	
A 596A	2	SHLD A596	25N			E61-R	38N		271
A 596L		J38-U*	22N		293	K57- 4	31Y	49	247
A 596R		J38-T*	22N		293	K57- 7	31Y	49	247
A 597	10		180	150 50 64 56 5			250	220 52 7A	
A 597A	2	SHLD A597	25N			E61-B	38N		271
A 597L		J38-Z*	22N		293	TB17-20A	19N	42	261
A 597R		J38-Y*	22N		293	TB17-19A	19N	42	261
A 598	10		250	220 50 64 56 5			250	220 52 7A	
A 598A	2	SHLD A598	25N			E61-R	38N		271
A 598L		J38-CC	22N		293	TB13- 2D	19N	42	266
A 598R		J38-BB	22N		293	TB13- 1D	19N	42	266
A 600	1	J38-DD	22N		293	TB13-11A	19N	42	266
A 601	14		230	200 50 65 57 5			250	220 52 7A	
A 601A	2	SHLD A601	25N			E61-B	38N		271

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AR | SHEET 96 OF 150

GNW WIRING HARNESS A AR 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	TERMINATION SPEC 1 ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	TERMINATION SPEC 1 ITEM NO	NO.
A 601L		J38-EE	22N		293	K42- 8	31Y		221
A 601R		J38-GG	22N		293	K42-11	31Y		221
A 601Y		J38-FF	22N		293	K42- 5	31Y	49	221
A 602	14		280	250 50 65 57 5			250	220 52 7A	
A 602A	2	SHLD A602	25N			E61-R	38N		271
A 602L		J38-HH	22N		293	K43- 5	31Y	49	222
A 602R		J38-JJ	22N		293	K43-11	31Y	49	222
A 602Y		J38-KK	22N		293	K43- 7	31Y		222
A 603	11		330	300 51 87 86 5			250	220 51 7A	
A 603A	2	SHLD A603	25N			E61-R	38N		271
A 603L		J38-MM	22N		293	TB6- 4B	19N	42	38
A 603R		J38-LL	22N		293	TB6- 1B	19N	42	38
A 604	7		180	150 52 63 54 5			200	170 53 7A	
A 604A	2	SHLD A604	25N			E61-B	38N		271
A 604W		J38-NN	22N		293	TB11- 3B	19N	42	37
A 605	7		230	200 52 63 54 5			200	170 53 7A	
A 605A	2	SHLD A605	25N			E61-B	38N		271
A 605W		J38-PP	22N		293	TB11- 2F	19N	42	37

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AR | SHEET 97 OF 150

GNW WIRING HARNESS A AC 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	TERMINATION SPEC 1 ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	TERMINATION SPEC 1 ITEM NO	NO.
A 605W		J38-PP	22N		293	TB11- 2F	19N	42	37
A 606		DELETED							
A 607	3	J39-B	22N		291	E62-B	38N		292
A 608	1	J39-X	22N		291	TB17- 8B	19N	42	261
A 609		DELETED							
A 610	10		180	150 50 64 56 5			250	220 52 7A	
A 610A	2	SHLD A610	25N			E62-B	38N		292
A 610L		J39-T*	22N		291	J43-C	22N		275
A 610R		J39-S*	22N		291	J43-B	22N		275
A 611	9		230	200 52 63 55 5			200	170 53 7A	
A 611A	2	SHLD A611	25N			E62-R	38N		292
A 611W		J39-V*	22N		291	TB6- 3B	19N	43	38
A 612	9		280	250 52 63 55 5			200	170 53 7A	
A 612A	2	SHLD A612	25N			E62-B	38N		292
A 612W		J39-W*	22N		291	TB6- 3C	19N	43	38
A 613	7		330	300 52 63 54 5			200	170 53 7A	
A 613A	2	SHLD A613	25N			E62-B	38N		292
A 613W		J39-BB	22N		291	J43-D	22N		275

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AC | SHEET 98 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.
A 614	1	J39-EE	22N		291	TB11- 1C	19N	42	37
A 615	1	J39-DD	22N		291	TB19- 6C	19N	42	266
A 616	3	J40-B	28Y	47	290	E62-B	38N		292
A 617	4	J40-D	28Y	47	290	TB5- 4	19N	40	63
A 618	4	J40-E	28Y	47	290	TB16- 7	19N	40	262
A 619	6	J40-I	41Y	46	290	TB2- 8	31N	41	92
A 620	6	J40-J	41Y	46	290	TB2- 7	31N	41	93
A 621	5	J40-K	41Y	46	290	TB3- 8	19N	40	70
A 622	5	J40-L	41Y	46	290	TB3- 7	19N	40	71
A 623	5	J40-M	41Y	46	290	TB4- 8	19N	40	82
A 624	5	J40-N	41Y	46	290	TB4- 7	19N	40	83
A 625	6	J40-S	41Y	46	290	TB16- 8	31N	41	262
A 626	6	J40-T	41Y	46	290	TB16-10	31N	41	262
A 627	6	J40-U	41Y	46	290	TB14-10	31N	41	264
A 628	6	J40-V	41Y	46	290	TB10- 4	31N	41	36
A 629		DELETED							
A 630	12		180	150 90 67 59 5			250	220 51	7A
A 630A	2	SHLD A630	25N			E62-B	38N		292

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AC | SHEET 99 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.
A 630R		J40-D*	28Y	47	290	TB17- 9C	19N	43	261
A 631	10		180	150 50 64 56 5			250	220 52	7A
A 631A	2	SHLD A631	25N			E63-R	38N		278
A 631L		J41-C	22N		280	TB13-18D	19N	42	266
A 631R		J41-B	22N		280	TB13-17D	19N	42	266
A 632	10		230	200 50 64 56 5			250	220 52	7A
A 632A	2	SHLD A632	25N			E63-R	38N		278
A 632L		J41-E	22N		280	TB13-14C	19N	42	266
A 632R		J41-D	22N		280	TB13-13C	19N	42	266
A 633	10		280	250 50 64 56 5			250	220 52	7A
A 633A	2	SHLD A633	25N			E63-B	38N		278
A 633L		J41-G	22N		280	TB17-16A	19N	42	261
A 633R		J41-F	22N		280	TB17-15A	19N	42	261
A 644	3	J41-H	22N		280	E63-B	38N		278
A 645	1	J41-N	22N		280	TB7-12C	19N	42	33
A 646	1	J41-P	22N		280	K20- 5	31Y	46	178
A 647	1	J41-R	22N		280	K20- 3	31Y	47	178
A 648	10		330	300 50 64 56 5			250	220 52	7A

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 100 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.
A 648A	2	SHLD A648	25N			E63-R	38N		278
A 648L		J41-D*	22N		280	TB7- 4C	19N	42	33
A 648R		J41-C*	22N		280	TB7- 3C	19N	42	33
A 649	10		180	150 50 64 56 5			250	220 52	7A
A 649A	2	SHLD A649	25N			E63-B	38N		278
A 649L		J41-I*	22N		280	TB13- 5D	19N	42	266
A 649R		J41-J*	22N		280	TB13- 4D	19N	42	266
A 650	10		230	200 50 64 56 5			250	220 52	7A
A 650A	2	SHLD A650	25N			E63-B	38N		278
A 650L		J41-P*	22N		280	TB7- 6C	19N	42	33
A 650R		J41-N*	22N		280	TB7- 5C	19N	42	33
A 651	1	J41-U*	22N		280	J44-T	22N		274
A 652	1	J41-V*	22N		280	J44-W	22N		274
A 653	1	J41-W*	22N		280	J44-X	22N		274
A 654	3	J42-B	22N		279	E63-R	38N		278
A 655	10		180	150 50 64 56 5			250	220 52	7A
A 655A	2	SHLD A655	25N			E63-B	38N		278
A 655L		J42-B*	22N		279	J43-S*	22N		275

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AR | SHEET 101 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.
A 655L		J42-B*	22N		279	J43-S*	22N		275
A 655R		J42-A*	22N		279	J43-R*	22N		275
A 656	10		230	200 50 64 56 5			250	220 52	7A
A 656A	2	SHLD A656	25N			E63-B	38N		278
A 656L		J42-D*	22N		279	J43-U*	22N		275
A 656R		J42-C*	22N		279	J43-T*	22N		275
A 657		DELETED							
A 658	3	K3- 9	31Y	47	50	E87-B	38N		265
A 659	3	J43-G	22N		275	E65-B	38N		276
A 660	3	J43-N	22N		275	E87-B	38N		265
A 661	3	J43-P	22N		275	TB12-40	25Y		200
A 662	8		180	150 52 63 55 5			250	220 53	7A
A 662A	2	SHLD A662	25N			E65-B	38N		276
A 662W		J43-S	22N		275	K8-12	31Y	47	39
A 663	11		230	200 51 87 86 5			250	220 51	7A
A 663A	2	SHLD A663	25N			E65-B	38N		276
A 663L		J43-U	22N		275	K8-10	31Y		39
A 663R		J43-T	22N		275	K8-14	31Y		39

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AC | SHEET 102 OF 150

GRW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	ITEM NO	INDIVIDUAL LENGTH	FROM: CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.	TO: CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO
A 665	1		J43-W	22N			275	P6-R	31Y		90	114
A 666	8			280 250 52 63 55 5					200 170 53		7A	
A 666A	2		SHLD A666	25N				E65-B	38N			276
A 666W			J43-V	22N			275	TB13-13F	19N		42	266
A 667	3		J43-Z	22N			275	P6-D	31Y			114
A 668	3		J43-A*	22N			275	E65-R	38N			276
A 669	1		J43-B*	22N			275	P6-W	31Y		90	114
A 670	3		J43-C*	22N			275	X8- 3	31Y		47	99
A 671	1		J43-D*	22N			275	P6-P	31Y		90	114
A 672	1		J43-E*	22N			275	P2-E	31Y		90	119
A 673	1		J43-F*	22N			275	P2-H	31Y		90	119
A 674	3		J43-I*	22N			275	P6-Z	31Y			114
A 675	11			330 300 51 87 86 5					250 220 51		7A	
A 675A	2		SHLD A675	25N				E65-B	38N			276
A 675L			J43-K*	22N			275	K20- 8	31Y		47	178
A 675R			J43-J*	22N			275	K20-14	31Y		47	178
A 676	3		J43-V*	22N			275	P6-A	31Y			114
A 677	1		J44-B	22N			274	TB17- 8C	19N		42	261

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AR | SHEET 103 OF 150

GRW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	ITEM NO	INDIVIDUAL LENGTH	FROM: CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.	TO: CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO
A 678	7			180 150 52 63 54 5					200 170 53		7A	
A 678A	2		SHLD A678	25N				E66-B	38N			273
A 678W			J44-C	22N			274	K30-13	31Y			209
A 679	10			230 200 50 64 56 5					250 220 52		7A	
A 679A	2		SHLD A679	25N				E66-B	38N			273
A 679L			J44-E	22N			274	K19- 9	31Y		46	177
A 679R			J44-D	22N			274	K19-13	31Y		47	177
A 680	10			280 250 50 64 56 5					250 220 52		7A	
A 680A	2		SHLD A680	25N				E66-B	38N			273
A 680L			J44-G	22N			274	K19- 8	31Y		47	177
A 680R			J44-F	22N			274	K19-14	31Y		47	177
A 681	10			330 300 50 64 56 5					250 220 52		7A	
A 681A	2		SHLD A681	25N				E66-B	38N			273
A 681L			J44-J	22N			274	K30- 8	31Y		47	209
A 681R			J44-H	22N			274	K30-14	31Y		47	209
A 682	1		J44-K	22N			274	K20- 7	31Y		47	178
A 683	9			180 150 52 63 55 5					200 170 53		7A	
A 683A	2		SHLD A683	25N				E66-B	38N			273

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AR | SHEET 104 OF 150

GRW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	ITEM NO	INDIVIDUAL LENGTH	FROM: CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.	TO: CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO
A 683W			J44-L	22N			274	J45-K*	22N			268
A 684	9			230 200 52 63 55 5					200 170 53		7A	
A 684A	2		SHLD A684	25N				E66-B	38N			273
A 684W			J44-M	22N			274	J45-M*	22N			268
A 685	1		J44-R	22N			274	X8- 7	31Y		47	99
A 686	1		J44-S	22N			274	P2-C	31Y		90	119
A 687	1		J44-U	22N			274	P2-B	31Y		90	119
A 688	10			280 250 50 64 56 5					250 220 52		7A	
A 688A	2		SHLD A688	25N				E63-B	38N			278
A 688L			J42-U*	22N			279	TB17-17C	19N		42	261
A 688R			J42-T*	22N			279	TB17-18C	19N		42	261
A 689	1		J44-Y	22N			274	P6-E	31Y			114
A 690	1		J44-Z	22N			274	P2-P	31Y			119
A 691	3		J44-A*	22N			274	E66-B	38N			273
A 692	1		J44-B*	22N			274	P2-D	31Y			119
A 693	1		J44-C*	22N			274	P2-X	31Y			119
A 694	3		J44-D*	22N			274	P2-S	31Y			119
A 695	3		J44-E*	22N			274	P2-F	31Y			119

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AR | SHEET 105 OF 150

GRW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	ITEM NO	INDIVIDUAL LENGTH	FROM: CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO.	TO: CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO
A 696	3		J44-M*	22N			274	P2-L	31Y		90	119
A 697	1		J44-N*	22N			274	P2-A*	31Y		90	119
A 698	1		J44-P*	22N			274	P2-Z	31Y		90	119
A 699	1		J44-R*	22N			274	P2-N	31Y		90	119
A 700	1		J44-S*	22N			274	P2-M	31Y		90	119
A 701	7			330 300 52 63 54 5					200 170 53		7A	
A 701A	2		SHLD A701	25N				E66-B	38N			273
A 701W			J44-AA	22N			274	K27- 1	31Y		47	206
A 702	7			180 150 52 63 54 5					200 170 53		7A	
A 702A	2		SHLD A702	25N				E66-B	38N			273
A 702W			J44-BB	22N			274	K28- 1	31Y		47	207
A 703	3		J44-CC	22N			274	K20- 1	31Y		47	178
A 704	3		J44-DD	22N			274	P2-A	31Y		90	119
A 705	3		J45-B	22N			268	E67-B	38N			269
A 706	3		J45-H*	22N			268	E87-B	38N			269
A 707	3		J45-N*	22N			268	E87-B	38N			269
A 708	3		J45-S*	22N			268	TB13-12A	19N		43	266
A 709	10			180 150 50 64 56 5					250 220 52		7A	

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AR | SHEET 106 OF 150

CONDUCTOR NUMBER	ITEM NO 3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	2	TERMINATION SPEC 1	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	2	TERMINATION SPEC 1	ITEM NO	NO
A 709A	2	SHLD A709	25N					E67-B	38N				269
A 709L		J45-X*	22N				268	TB17- 6B	19N		42		261
A 709R		J45-W*	22N				268	TB17- 5B	19N		42		261
A 710	10		230	200	50	64	56 5		250	220	52		7A
A 710A	2	SHLD A710	25N					E67-B	38N				269
A 710L		J45-Y*	22N				268	TB11- 5E	19N		42		37
A 710R		J45-Z*	22N				268	TB11- 3E	19N		42		37
A 711	10		280	250	50	64	56 5		250	220	52		7A
A 711A	2	SHLD A711	25N					E67-B	38N				269
A 711L		J45-CC	22N				268	TB17- 2B	19N		42		261
A 711R		J45-BB	22N				268	TB17- 1B	19N		42		261
A 712	10		330	300	50	64	56 5		250	220	52		7A
A 712A	2	SHLD A712	25N					E67-B	38N				269
A 712L		J45-CE	22N				268	TB17- 4B	19N		42		261
A 712R		J45-DD	22N				268	TB17- 3B	19N		42		261
A 713	3	J45-GG	22N				268	TB12-2D	25Y				191R
A 714	4	J46-D	28Y		47		267	TB5- 3	19N		40		64
A 715	4	J46-E	28Y		47		267	TB16- 9	19N		40		262

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AR | SHEET 107 OF 150

CONDUCTOR NUMBER	ITEM NO 3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	2	TERMINATION SPEC 1	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	2	TERMINATION SPEC 1	ITEM NO	NO
A 716	6	J46-I	28Y		46		267	TB2- 5	31N		41		96
A 717	6	J46-J	28Y		46		267	TB2- 4	31N		41		97
A 718	5	J46-K	41Y		46		267	TB3- 5	19N		40		74
A 719	5	J46-L	41Y		46		267	TB3- 4	19N		40		75
A 720	5	J46-M	41Y		46		267	TB4- 5	19N		40		85
A 721	5	J46-N	41Y		46		267	TB4- 4	19N		40		86
A 722	6	J46-S	41Y		46		267	TB16-12	31N		41		262
A 723	6	J46-T	41Y		46		267	TB16-14	31N		41		262
A 724	6	J46-U	41Y		46		267	TB14-12	31N		41		265
A 725	6	J46-V	41Y		46		267	TB10- 6	31N		41		96
A 726	6	K1-A 1	31N		41		43	TB2- 1	31N		41		100
A 727	6	K1-A 2	31N		41		40	K2-A 1	31N		41		45
A 728	6	K1-B 1	31N		41		43	TB2- 6	31N		41		94
A 729	5	K1-X 1	19N		45		41	K6- 4	31Y		46		47
A 730	5	K1-X 2	19N		45		41	K6-11	31Y		46		47
A 731	6	K2-A 2	31N		41		45	KF2- 1	31Y				146
A 732	5	K2-X 1	19N		45		44	TB1- 4	25Y				109
A 733	3	K2-X 2	19N		45		44	TB6- 7D	19N		43		98

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AR | SHEET 108 OF 150

CONDUCTOR NUMBER	ITEM NO 3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	2	TERMINATION SPEC 1	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	2	TERMINATION SPEC 1	ITEM NO	NO
A 734	4	K3- 2	31Y		47		50	K6- 5	31Y		47		47
A 735	4	K3- 3	31Y		47		50	KF1- 1	31Y				147
A 736	3	K3- 5	31Y		47		50	TB1- 6	25Y				108
A 737	3	K3-11	31Y		47		50	TB6- 7E	19N		43		38
A 738	4	K4- 2	31Y		47		49	E15	25Y				42
A 739	3	K17- 4	31Y		47		175	E15	25Y				42
A 740	4	K4- 3	31Y		47		49	KF3- 1	31Y				138
A 741	1	K4- 5	31Y		46		49	T91- 8	25Y				107
A 742	3	K4-11	31Y		47		49	TB6- 8A	19N		43		38
A 743	4	K5- 2	31Y		47		48	K6-12	31Y		47		47
A 744	4	K5- 3	31Y		47		48	KF4- 1	31Y				137
A 745	1	K5- 5	31Y		46		48	TB1-10	25Y				106
A 746	3	K5-11	31Y		47		48	TB6- 8B	19N		43		38
A 747	3	K6- 3	31Y		47		47	TB7-12E	19N		43		33
A 748	3	K6- 4	31Y				47	TB1-20	25Y				104
A 749	4	K6- 6	31Y		47		47	TB5- 1	19N		40		66
A 750	4	K6- 7	31Y		47		47	TB5- 6	19N		40		61
A 751	4	K6- 8	31Y		47		47	TB3- 6	19N		40		73

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AR | SHEET 109 OF 150

CONDUCTOR NUMBER	ITEM NO 3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	2	TERMINATION SPEC 1	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	2	TERMINATION SPEC 1	ITEM NO	NO
A 752	4	K6- 9	31Y		47		47	TB3- 1	19N		40		78
A 753	3	K6-11	31Y				47	TB1-19	19N		43		105
A 754	4	K6-13	31Y		47		47	TB4- 1	19N		40		88
A 755	4	K6-14	31Y		47		47	TB4- 6	19N		40		84
A 756	3	K7- 2	31Y		49		46	TB7-20F	19N		43		33
A 757	3	K7- 4	31Y		49		46	K25- 4	31Y		48		205
A 758	3	K8- 4	31Y		46		39	TR1- 2	25Y				110
A 760	1	K8- 8	31Y		46		39	TR6- 6B	19N		42		38
A 761	11		250	220	51	87	86 5		250	220	51		7A
A 761A	2	SHLD A761	25N					E20-B	38N				22
A 761L		K8- 8	31Y				39	TR17-12C	19N		42		261
A 761R		K8-14	31Y		46		39	TB17-11C	19N		42		261
A 762	3	K8-11	31Y		47		39	TB6- 7C	19N		43		38
A 763	3	K17- 2	31Y		47		175	TB7-12D	19N		43		33
A 764	3	K17- 3	31Y		47		175	K19- 4	31Y		46		177
A 765	3	K17- 4	31Y				175	TB12-40	25Y				200
A 766	3	K17-11	31Y		47		175	TB12-39	25Y				201
A 767	12		250	220	90	67	59 5		250	200	51		7A

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE - NONE | REV LTR AB | SHEET 110 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO
A 767A	2	SHLD A767	25N			E68-B	38N		179
A 767L		K18- 1	31Y	47	176	K19-10	31Y	47	177
A 767R		K18- 7	31Y	47	176	K19-12	31Y	47	177
A 768	12		250 220 90 67 59 5				250 220 51	7A	
A 768A	2	SHLD A768	25N			E68-B	38N		179
A 768L		K18- 2	31Y		176	K29- 2	31Y	47	208
A 768R		K18- 6	31Y		176	K29- 6	31Y	47	208
A 769	12		250 220 90 67 59 5				250 220 51	7A	
A 769A	2	SHLD A769	25N			E68-B	38N		179
A 769L		K18- 5	31Y	47	176	K19- 5	31Y	47	177
A 769R		K18- 3	31Y	47	176	K19- 3	31Y	47	177
A 770	3	K18- 4	31Y	47	176	TB12- 4	25Y		184
A 771	3	K18-11	31Y	47	176	TB7-13C	19N	43	33
A 772	3	K19- 4	31Y		177	K30- 4	31Y	46	209
A 773	3	K19- 9	31Y		177	K30- 9	31Y	47	209
A 774	3	K19-11	31Y	46	177	K30-11	31Y	47	209
A 775	3	K19-11	31Y		177	TB7-13D	19N	43	33
A 776	3	K20- 4	31Y	47	178	TB12- A	25Y		186

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 111 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO
A 777	3	K20- 5	31Y		178	K17-11	25Y		175
A 778	11		180 150 87 86 51 5				250 220 51	7A	
A 778A	2	SHLD A778	25N			E69-B	38N		181
A 778L		K20-10	31Y	47	178	K32- 8	31Y	46	211
A 778R		K20-12	31Y	47	178	K32-14	31Y	46	211
A 779	3	K20-11	31Y	47	178	TB7-13E	19N	43	33
A 780	12		250 220 90 67 59 5				250 220 51	7A	
A 780A	2	SHLD A780	25N			E69-B	38N		181
A 780L		K21- 2	31Y		180	E6	25Y		144
A 780R		K21- 6	31Y		180	XF5- 1	31Y		144
A 781	3	K21- 4	31Y	47	180	TB12-38	25Y		199
A 782	10		250 220 90 64 58 5				250 220 52	7A	
A 782A	2	SHLD A782	25N			E69-B	38N		181
A 782L		K21- 9	31Y	47	180	TB7-1CA	19N	43	33
A 782R		K21-13	31Y	47	180	TB7- 9A	19N	43	33
A 783	3	K21-11	31Y	47	180	TB12-37	25Y		198
A 784	3	K22- 2	31Y	49	202	TB7-20D	19N	43	33
A 785	3	K22- 7	31Y		202	TB13-12F	19N	43	266

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 112 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO
A 786	3	K23- 2	31Y	49	203	TB7-20R	19N	43	33
A 787	10		250 220 50 64 56 5				250 220 52	7A	
A 787A	2	SHLD A787	25N			E68-B	38N		179
A 787L		K23- 3	31Y		203	K38-12	31Y		217
A 787R		K23- 5	31Y	49	203	K38-10	31Y		217
A 788	3	K24- 2	31Y	49	204	TB7-20C	19N	43	33
A 789	3	K25- 2	31Y	49	205	TB7-15D	19N	43	33
A 790	3	K27- 2	31Y	47	206	K28- 2	31Y	46	207
A 791	3	K27- 4	31Y	47	206	TB12-12	25Y		188
A 792	3	K27-11	31Y	47	206	TB7-14B	19N	43	33
A 793	3	K28- 2	31Y		207	K32- 7	31Y	46	211
A 794	11		250 220 51 87 86 5				250 220 51	7A	
A 794A	2	SHLD A794	25N			E68-B	38N		179
A 794L		K24- 3	31Y		204	TB13- 8D	19N	42	266
A 794R		K24- 5	31Y	49	204	TB13- 7D	19N	42	266
A 795	3	K28- 4	31Y	47	207	TB12-14	25Y		189
A 796	3	K28-11	31Y	47	207	TB7-14C	19N	43	33
A 797	11		250 220 51 87 86 5				250 220 51	7A	

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 113 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO
A 797A	2	SHLD A797	25N			E68-B	38N		179
A 797L		K29- 1	31Y	47	208	K30-10	31Y	47	209
A 797R		K29- 7	31Y	47	208	K30-12	31Y	47	209
A 798	11		250 220 51 87 86 5				250 220 51	7A	
A 798A	2	SHLD A798	25N			E68-B	38N		179
A 798L		K29- 3	31Y	47	208	K30- 3	31Y	47	209
A 798R		K29- 5	31Y	47	208	K30- 5	31Y	47	209
A 799	3	K29- 4	31Y	47	208	TB12- 2	25Y		183
A 800	3	K29-11	31Y	47	208	TB7-13B	19N	43	33
A 801	3	K30- 4	31Y		209	TB12- 6	25Y		185
A 802	3	K31- 3	31Y	47	210	TB7-11D	19N	43	33
A 803	3	K31-13	31Y	47	210	K32- 4	31Y	46	211
A 804	11		250 220 51 87 86 5				250 220 51	7A	
A 804A	2	SHLD A804	25N			E69-B	38N		181
A 804L		K31- 6	31Y	47	210	E11	25Y		124
A 804R		K31- 9	31Y	47	210	XF12- 1	31Y		124
A 805	11		250 220 51 87 86 5				250 220 51	7A	
A 805A	2	SHLD A805	25N			E69-B	38N		181

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 114 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO (3)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	(2)	TERMINATION SPEC (1) ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	(2)	TERMINATION SPEC (1) ITEM NO	NO.
A 805L			K31- 7	31Y	47		210	TR17-16R	19N	42		261
A 805R			K31- 8	31Y	47		210	TR17-15B	19N	42		261
A 806	3		K30-11	31Y			209	K32-11	31Y	46		211
A 807	11			250	220 51 87 86 5				250	220 51		7A
A 807A	2		SHLD A807	25N				E69-8	38N			181
A 807L			K32- 1	31Y	47		211	TR13-14E	19N	42		266
A 807R			K32- 7	31Y			211	TB13-13E	19N	42		266
A 808	11			250	220 51 87 86 5				250	220 51		7A
A 808A	2		SHLD A808	25N				E69-8	38N			181
A 808L			K32- 2	31Y	47		211	E9	25Y			135
A 808R			K32- 6	31Y	47		211	XF9- 1	31Y			134
A 809	3		K32- 4	31Y			211	TB12-96	25Y			196
A 810	11			250	220 51 87 86 5				250	220 51		7A
A 810A	2		SHLD A810	25N				E69-8	38N			181
A 810L			K32- 8	31Y			211	TB13-18E	19N	42		266
A 810R			K32-14	31Y			211	TB13-17E	19N	42		266
A 811	11			250	220 51 87 86 5				250	220 51		7A
A 811A	2		SHLD A811	25N				E69-8	38N			181

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 115 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO (3)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	(2)	TERMINATION SPEC (1) ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	(2)	TERMINATION SPEC (1) ITEM NO	NO.
A 811L			K32- 9	31Y	47		211	E7	25Y			143
A 811R			K32-13	31Y	47		211	XF6- 1	31Y			142
A 812	3		K32-11	31Y			211	TB12-35	25Y			197
A 813	15			250	220 51 66 86 5				250	220 51		7A
A 813A	2		SHLD A813	25N				E69-8	38N			181
A 813L			K33- 2	31Y	47		212	XF11- 1	31Y			131
A 813R			K33- 6	31Y	47		212	XF10- 1	31Y			133
A 813Y			K33- 9	31Y	47		212	E10	25Y			192
A 814	3		K33-13	31Y	49		212	K34- 4	31Y	48		213
A 815	3		K33- 4	31Y			212	TB12-94	25Y			194
A 816	3		K37- 2	31Y			216	K34-11	31Y	48		213
A 817	3		K33-11	31Y			212	TB12-33	25Y			195
A 818	11			250	220 51 87 86 5				250	220 51		7A
A 818A	2		SHLD A818	25N				E70-8	38N			233
A 818L			K34- 7	31Y			213	TB13- 2E	19N	42		266
A 818R			K34- 1	31Y			213	TB13- 1E	19N	42		266
A 819	11			250	220 51 87 86 5				250	220 51		7A
A 819A	2		SHLD A819	25N				E70-8	38N			233

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 116 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO (3)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	(2)	TERMINATION SPEC (1) ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	(2)	TERMINATION SPEC (1) ITEM NO	NO.
A 819L			K34- 6	31Y	47		213	E13	25Y			124
A 819R			K34- 2	31Y	47		213	XF14- 1	31Y			123
A 820	3		K34- 9	31Y	47		213	XF15- 1	31Y			122
A 821	11			250	220 51 87 86 5				250	220 51		7A
A 821A	2		SHLD A821	25N				E70-8	38N			233
A 821L			K35- 7	31Y			214	TR17-19D	19N	42		261
A 821R			K35- 1	31Y			214	TR17-20D	19N	42		261
A 822	11			250	220 51 87 86 5				250	220 51		7A
A 822A	2		SHLD A822	25N				E70-8	38N			233
A 822L			K35- 6	31Y	47		214	E14	25N			121
A 822R			K35- 2	31Y	47		214	XF16- 1	31Y			120
A 823	3		K35- 4	31Y	48		214	K37- 1	31Y	48		216
A 824	3		K35- 4	31Y			214	TR12-92	25Y			192
A 825	11			250	220 51 87 86 5				250	220 51		7A
A 825A	2		SHLD A825	25N				E70-8	38N			233
A 825L			K35-14	31Y	47		214	TB11- 6E	19N	42		37
A 825R			K35- 8	31Y	47		214	TB11- 4E	19N	42		37
A 826	11			250	220 51 87 86 5				250	220 51		7A

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 117 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO (3)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	(2)	TERMINATION SPEC (1) ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	(2)	TERMINATION SPEC (1) ITEM NO	NO.
A 826A	2		SHLD A826	25N				E70-8	38N			233
A 826L			K35-13	31Y	47		214	E12	25Y			125
A 826R			K35- 9	31Y	47		214	XF13- 1	31Y			126
A 827	3		K35-11	31Y	46		214	K37- 2	31Y	48		216
A 828	3		K35-11	31Y			214	TB12-31	25Y			193
A 829	15			250	220 51 66 86 5				250	220 51		7A
A 829A	2		SHLD A829	25N				E70-8	38N			233
A 829L			K36- 9	31Y	47		215	K37- 6	31Y	48		216
A 829R			K36- 2	31Y	47		215	K37- 9	31Y	48		216
A 829Y			K36- 6	31Y	47		215	K37- 2	31Y	48		216
A 830	15			250	220 51 66 86 5				250	220 51		7A
A 830A	2		SHLD A830	25N				E70-8	38N			233
A 830L			K36-10	31Y	47		215	K37- 8	31Y	49		216
A 830R			K36- 3	31Y	47		215	K37-11	31Y	49		216
A 830Y			K36- 5	31Y	47		215	K37- 5	31Y	49		216
A 831	3		K36- 4	31Y			215	TB12-10	25Y			187
A 832	3		K36-11	31Y	47		215	TB7-13F	19N	43		33
A 833	15			250	220 51 66 86 5				250	220 51		7A

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 118 OF 150

THE STD CONDUCTOR TERMINATION FIGURES ARE PER
DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AB | SHEET 121 OF 159

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM	FROM CUT WIRE OF SHIELD	FROM STRIP WIRE OF JACKET	FROM TERMINATION SPEC	FROM CIRCUIT POINT	TO CUT WIRE OF SHIELD	TO STRIP WIRE OF JACKET	TO TERMINATION SPEC	TO CIRCUIT POINT
A 836R		31V	49	220	X41- 4	31V	49	222	X42- 2
A 847	3	31V	49	221	X42- 2	31V	49	222	X42-18
A 848	3	31V		222	X39- 1	31V	48	222	X43- 1
A 849	3	31V		222	X39- 2	31V	48	222	X43- 2
A 850	10			220	X39-10	31V	49	222	X43- 1
A 850A	2	29W		220	SHLD A850	29W		222	X43-14
A 850L			49	222	TB17- 2D	19W	42	261	X43-17
A 850R			49	222	TB17- 1D	19W	42	261	X43-18
A 851	3	31V	49	223	X45- 1	31V		224	X44-18
A 852	3	31V	48	223	X45- 2	31V	48	224	X44- 2
A 853	3	31V		223	TB7-18E	19W	43	33	X44- 2
A 854	3	31V	49	223	X45-13	31V	49	224	X44- 4
A 855	10			220	X59- 2	31V		224	X44- 7
A 855A	2	29W		220	SHLD A855	29W		236	
A 855L		31V		223	X59-16	31V		249	X44-10
A 855R		31V		223	X59-19	31V		249	X44- 7
A 856	10		250	220	50 64 56 5				
A 857	10			220	X59- 2	31V	48	249	X43- 2
A 857A	2	29W		220	SHLD A857	29W		236	
A 857L		31V		223	X59-10	31V		249	X44-16
A 857R		31V		223	X59-13	31V		249	X44-13
A 858	10		250	220	50 64 56 5				
A 858A	2	29W		223	SHLD A858	29W		236	
A 858L		31V	49	223	TB11-17D	19W	42	37	X44-17
A 858R		31V	49	223	TB11-18D	19W	42	37	X44-18
A 859	10		250	220	50 64 56 5				
A 859A	2	29W		223	SHLD A859	29W		236	
A 859L		31V		224	X59- 7	31V		249	X45- 7
A 859R		31V		224	X59- 4	31V		249	X45- 4
A 860	10		250	220	50 64 56 5				
A 860A	2	29W		220	SHLD A860	29W		236	
A 860L		31V	49	224	X59- 9	31V	48	249	
A 860R		31V		224	X59- 8	31V		249	
A 861	10		250	220	50 64 56 5				
A 861A	2	29W		224	SHLD A861	29W		236	
A 861L		31V		225	X60- 2	31V		250	X59-10
A 861R		31V		225	X60- 1	31V		250	X59-13
A 862	10		250	220	50 64 56 5				
A 862A	2	29W		225	SHLD A862	29W		236	
A 862L		31V	49	225	X60- 7	31V		250	X60- 4
A 862R		31V	49	225	X60- 4	31V		250	X60- 7
A 863	10		250	220	50 64 56 5				
A 863A	2	29W		225	SHLD A863	29W		236	
A 863L		31V	49	226	X60- 8	31V		250	X60-12
A 863R		31V	49	226	X60- 5	31V		250	X60- 9
A 864	3	31V	49	226	X41- 2	31V	49	33	TB7-19R
A 864A	2	29W		226	SHLD A864	29W		236	
A 864L		31V	48	226	X41- 7	31V		250	X60- 7
A 864R		31V		226	X41- 6	31V		250	X60- 6
A 865	10		250	220	50 64 56 5				
A 865A	2	29W		226	SHLD A865	29W		236	
A 865L		31V	49	227	X41- 4	31V	49	250	X61- 2
A 865R		31V	49	227	X41- 3	31V	49	250	X61- 1
A 866	10		250	220	50 64 56 5				
A 866A	2	29W		227	SHLD A866	29W		236	
A 866L		31V	49	227	X41- 6	31V	49	250	X61- 4
A 866R		31V	49	227	X41- 5	31V	49	250	X61- 3
A 867	10		250	220	50 64 56 5				
A 867A	2	29W		227	SHLD A867	29W		236	
A 867L		31V	49	228	X61- 2	31V	49	251	X60-12
A 867R		31V	49	228	X61- 1	31V	49	251	X60- 8
A 868	10		250	220	50 64 56 5				
A 868A	2	29W		228	SHLD A868	29W		236	
A 868L		31V	49	228	X61- 4	31V	49	251	X61- 2
A 868R		31V	49	228	X61- 3	31V	49	251	X61- 1
A 869	10		250	220	50 64 56 5				
A 869A	2	29W		228	SHLD A869	29W		236	
A 869L		31V	49	229	X61- 6	31V	49	251	X61- 4
A 869R		31V	49	229	X61- 5	31V	49	251	X61- 3
A 870	10		250	220	50 64 56 5				
A 870A	2	29W		229	SHLD A870	29W		236	
A 870L		31V	49	229	X62- 2	31V	49	252	X61- 6
A 870R		31V	49	229	X62- 1	31V	49	252	X61- 5
A 871	10		250	220	50 64 56 5				
A 871A	2	29W		229	SHLD A871	29W		236	
A 871L		31V	49	230	X62- 4	31V	49	252	X62- 2
A 871R		31V	49	230	X62- 3	31V	49	252	X62- 1
A 872	10		250	220	50 64 56 5				
A 872A	2	29W		230	SHLD A872	29W		236	
A 872L		31V	49	230	X62- 6	31V	49	252	X62- 4
A 872R		31V	49	230	X62- 5	31V	49	252	X62- 3
A 873	10		250	220	50 64 56 5				
A 873A	2	29W		230	SHLD A873	29W		236	
A 873L		31V	49	231	X62- 8	31V	49	253	X62- 6
A 873R		31V	49	231	X62- 7	31V	49	253	X62- 5
A 874	10		250	220	50 64 56 5				
A 874A	2	29W		231	SHLD A874	29W		236	
A 874L		31V	49	231	X63- 2	31V	49	253	X62- 8
A 874R		31V	49	231	X63- 1	31V	49	253	X62- 7
A 875	10		250	220	50 64 56 5				
A 875A	2	29W		231	SHLD A875	29W		236	
A 875L		31V	49	232	X63- 4	31V	49	253	X63- 2
A 875R		31V	49	232	X63- 3	31V	49	253	X63- 1
A 876	10		250	220	50 64 56 5				
A 876A	2	29W		232	SHLD A876	29W		236	
A 876L		31V	49	232	X63- 6	31V	49	253	X63- 4
A 876R		31V	49	232	X63- 5	31V	49	253	X63- 3
A 877	10		250	220	50 64 56 5				
A 877A	2	29W		232	SHLD A877	29W		236	
A 877L		31V	49	233	X63- 8	31V	49	254	X63- 6
A 877R		31V	49	233	X63- 7	31V	49	254	X63- 5
A 878	10		250	220	50 64 56 5				
A 878A	2	29W		233	SHLD A878	29W		236	
A 878L		31V	49	233	X64- 2	31V	49	254	X63- 8
A 878R		31V	49	233	X64- 1	31V	49	254	X63- 7
A 879	10		250	220	50 64 56 5				
A 879A	2	29W		233	SHLD A879	29W		236	
A 879L		31V	49	234	X64- 4	31V	49	254	X64- 2
A 879R		31V	49	234	X64- 3	31V	49	254	X64- 1
A 880	10		250	220	50 64 56 5				
A 880A	2	29W		234	SHLD A880	29W		236	
A 880L		31V	49	234	X64- 6	31V	49	254	X64- 4
A 880R		31V	49	234	X64- 5	31V	49	254	X64- 3
A 881	10		250	220	50 64 56 5				
A 881A	2	29W		234	SHLD A881	29W		236	
A 881L		31V	49	235	X64- 8	31V	49	255	X64- 6
A 881R		31V	49	235	X64- 7	31V	49	255	X64- 5
A 882	10		250	220	50 64 56 5				
A 882A	2	29W		235	SHLD A882	29W		236	
A 882L		31V	49	235	X65- 2	31V	49	255	X64- 8
A 882R		31V	49	235	X65- 1	31V	49	255	X64- 7
A 883	10		250	220	50 64 56 5				
A 883A	2	29W		235	SHLD A883	29W		236	
A 883L		31V	49	236	X65- 4	31V	49	255	X65- 2
A 883R		31V	49	236	X65- 3	31V	49	255	X65- 1
A 884	10		250	220	50 64 56 5				
A 884A	2	29W		236	SHLD A884	29W		236	
A 884L		31V	49	236	X65- 6	31V	49	255	X65- 4
A 884R		31V	49	236	X65- 5	31V	49	255	X65- 3
A 885	10		250	220	50 64 56 5				
A 885A	2	29W		236	SHLD A885	29W		236	
A 885L		31V	49	237	X65- 8	31V	49	256	X65- 6
A 885R		31V	49	237	X65- 7	31V	49	256	X65- 5
A 886	10		250	220	50 64 56 5				

THE STD CONDUCTOR TERMINATION FIGURES ARE PER
DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AB | SHEET 122 OF 159

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM	FROM CUT WIRE OF SHIELD	FROM STRIP WIRE OF JACKET	FROM TERMINATION SPEC	FROM CIRCUIT POINT	TO CUT WIRE OF SHIELD	TO STRIP WIRE OF JACKET	TO TERMINATION SPEC	TO CIRCUIT POINT
A 886A	2	29W		236	SHLD A886	29W		236	
A 886L		31V	49	237	X56- 2	31V	49	257	X65- 8
A 886R		31V	49	237	X56- 1	31V	49	257	X65- 7
A 887	10		250	220	50 64 56 5				
A 887A	2	29W		237	SHLD A887	29W		236	
A 887L		31V	49	237	X56- 4	31V	49	257	X66- 2
A 887R		31V	49	237	X56- 3	31V	49	257	X66- 1
A 888	10		250	220	50 64 56 5				
A 888A	2	29W		237	SHLD A888	29W		236	
A 888L		31V	49	238	X56- 6	31V	49	257	X66- 4
A 888R		31V	49	238	X56- 5	31V	49	257	X66- 3
A 889	10		250	220	50 64 56 5				
A 889A	2	29W		238	SHLD A889	29W		236	
A 889L		31V	49	238	X56- 8	31V	49	258	X66- 6
A 889R		31V	49	238	X56- 7	31V	49	258	X66- 5
A 890	10		250	220	50 64 56 5				
A 890A	2	29W		238	SHLD A890	29W		236	
A 890L		31V	49	239	X66- 2	31V	49	258	X66- 8
A 890R		31V	49	239	X66- 1	31V	49	258	X66- 7
A 891	10		250	220	50 64 56 5				
A 891A	2	29W		239	SHLD A891	29W		236	
A 891L		31V	49	239	X66- 4	31V	49	258	X67- 2
A 891R		31V	49	239	X66- 3	31V	49	258	X67- 1
A 892	10		250	220	50 64 56 5				
A 892A	2	29W		239	SHLD A892	29W		236	
A 892L		31V	49	240	X66- 6	31V	49	259	X67- 4
A 892R		31V	49	240	X66- 5	31V	49	259	X67- 3
A 893	10		250	220	50 64 56 5				
A 893A	2	29W		240	SHLD A893	29W		236	
A 893L		31V	49	240	X66- 8	31V	49	259	X67- 6
A 893R		31V	49	240	X66- 7	31V	49	259	X67- 5
A 894	10		250	220	50 64 56 5				
A 894A	2	29W		240	SHLD A894	29W		236	
A 894L		31V	49	241	X67- 2	31V	49	259	X67- 8
A 894R		31V	49	241	X67- 1	31V	49	259	X67- 7
A 895	10		250	220	50 64 56 5				
A 895A	2	29W		241	SHLD A895	29W		236	
A 895L		31V	49	241	X67- 4	31V	49	260	X68- 2
A 895R		31V	49	241	X67- 3	31V	49	260	X68- 1
A 896	10		250	220	50 64 56 5				
A 896A	2	29W		241	SHLD A896	29W		236	
A 896L		31V	49	242	X67- 6	31V	49	260	X68- 4
A 896R		31V	49	242	X67- 5	31V	49	260	X68- 3
A 897	10		250	220	50 64 56 5				
A 897A	2	29W		242	SHLD A897	29W		236	
A 897L		31V	49	242	X67- 8	31V	49	260	X68- 6
A 897R		31V	49	242	X67- 7	31V	49	260	X68- 5
A 898	10		250	220	50 64 56 5				
A 898A	2	29W		242	SHLD A898	29W		236	
A 898L		31V	49	243	X68- 2	31V	49	261	X67- 8
A 898R		31V	49	243	X68- 1	31V	49	261	X67- 7
A 899	10		250	220	50 64 56 5				
A 899A	2	29W		243	SHLD A899	29W		236	
A 899L		31V	49	243	X68- 4	31V	49	261	X68- 2
A 899R		31V	49	243	X68- 3	31V	49	261	X68- 1
A 900	10		250	220	50 64 56 5				
A 900A	2	29W		243	SHLD A900	29W		236	
A 900L		31V	49	244	X68- 6	31V	49	261	X68- 4
A 900R		31V	49	244	X68- 5	31V	49	261	X68- 3
A 901	10		250	220	50 64 56 5				
A 901A	2	29W		244	SHLD A901	29W		236	
A 901L		31V	49	244	X68- 8	31V	49	262	X68- 6
A 901R		31V	49	244	X68- 7	31V	49	262	X68- 5
A 902	10		250	220	50 64 56 5				
A 902A	2	29W		244	SHLD A902	29W		236	
A 902L		31V	49	245	X69- 2	31V	49	262	X68- 8
A 902R		31V	49	245	X69- 1	31V	49	262	X68- 7
A 903	10		250	220	50 64 56 5				
A 903A	2	29W		245	SHLD A903	29W		236	
A 903L		31V	49	245	X69- 4	31V	49	262	X69- 2
A 903R		31V	49	245	X69- 3	31V	49	262	X69- 1
A 904	10		250	220	50 64 56 5				
A 904A	2	29W		245	SHLD A904	29W		236	
A 904L		31V	49	246	X69- 6	31V	49	262	X69- 4
A 904R		31V	49	246	X69- 5	31V	49	262	X69- 3
A 905	10		250	220	50 64 56 5				
A 905A	2	29W		246	SHLD A905	29W		236	
A 905L		31V	49	246	X69- 8	31V	49	263	X69- 6
A 905R		31V	49	246	X69- 7	31V	49	263	X69- 5
A 906	10		250	220	50 64 56 5				
A 906A	2	29W		246	SHLD A906	29W		236	
A 906L		31V	49	247	X70- 2	31V	49	263	X69- 8
A 906R		31V	49	247	X70- 1	31V	49	263	X69- 7
A 907	10		250	220	50 64 56 5				
A 907A	2	29W		247	SHLD A907	29W		236	
A 907L		31V	49	247	X70- 4	31V	49	263	X70- 2
A 907R		31V	49	247	X70- 3	31V	49	263	X70- 1
A 908	10		250	220	50 64 56 5				
A 908A	2	29W		247	SHLD A908	29W		236	
A 908L		31V	49	248	X70- 6	31V	49	263	X70- 4
A 908R		31V	49	248	X70- 5	31V	49	263	X70- 3
A 909	10		250	220	50 64 56 5				
A 909A	2	29W		248	SHLD A909	29W		236	
A 909L		31V	49	248	X70- 8	31V	49	264	X70- 6
A 909R		31V	49	248	X70- 7	31V	49	264	X70- 5
A 910	10		250	220	50 64 56 5				
A 910A	2	29W		248	SHLD A910	29W		236	
A 910L		31V	49	249	X71- 2	31V	49	264	X70- 8
A 910R		31V	49	249	X71- 1	31V	49	264	X70- 7
A 911	10		250	220	50 64 56 5				
A 911A	2	29W		249	SHLD A911	29W		236	
A 911L		31V	49	249	X71- 4	31V	49	264	X71- 2
A 911R		31V	49	249	X71- 3	31V	49	264	X71- 1
A 912	10		250	220	50 64 56 5				
A 912A	2	29W		249	SHLD A912	29W		236	
A 912L		31V	49	250	X71- 6	31V	49	264	X71- 4
A 912R		31V	49	250	X71- 5	31V	49	264	X71- 3
A 913	10		250	220	50 64 56 5				
A 913A	2	29W		250	SHLD A913	29W		236	
A 913L		31V	49	250	X71- 8	31V	49	264	X71- 6
A 913R		31V	49	250	X71- 7	31V	49	264	X71- 5
A 914	10		250	220	50 64 56 5				
A 914A	2	29W		250	SHLD A914	29W		236	
A 914L		31V	49	251	X72- 2	31V	49	265	X71- 8
A 914R		31V	49	251	X72- 1	31V	49	265	X71- 7
A 915	10		250	220	50 64 56 5				
A 915A	2	29W		251	SHLD A915	29W		236	
A 915L		31V	49	251	X72- 4	31V	49	265	X72- 2
A 915R		31V	49	251	X72- 3	31V	49	265	X72- 1
A 916	10		250	220	50 64 56 5				
A 916A	2	29W		251	SHLD A916	29W		236	
A 916L		31V	49	252	X72- 6	31V	49	265	X72- 4
A 916R		31V	49	252	X72- 5	31V	49	265	X72- 3
A 917	10		250	220	50 64 56 5				
A 917A	2	29W		252	SHLD A917	29W		236	
A 917L		31V	49	252	X72- 8	31V	49	265	X72- 6
A 917R		31V	49	252	X72- 7	31V	49	265	X72- 5
A 918	10		250	220	50 64 56 5				
A 918A	2	29W		252	SHLD A918	29W		236	
A 918L		31V	49	253	X73- 2	31V	49	266	X72- 8
A 918R		31V	49	253	X73- 1	31V	49	266	X72- 7
A 919	10		250	220	50 64 56 5				
A 919A	2	29W		253	SHLD A919	29W		236	
A 919L		31V	49	253	X73- 4	31V	49	266	X73- 2
A 919R		31V	49	253	X73- 3	31V	49	266	X73- 1
A 920	10		250	220	50 64 56 5				
A 920A	2	29W		253	SHLD A920	29W		236	
A 920L		31V	49	254	X73- 6	31V	49	266	X73- 4
A 920R		31V	49	254	X73- 5	31V	49	266	X73- 3
A 921	10		250	220	50 64 56 5				
A 921A	2	29W		254	SHLD A921	29W		236	
A 921L		31V	49	254	X73- 8	31V	49	266	X73- 6
A 921R		31V	49	254	X73- 7	31V	49	266	X73- 5

THE STD CONDUCTOR TERMINATION FIGURES ARE PER
DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AB | SHEET 119 OF 159

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM	FROM CUT WIRE OF SHIELD	FROM STRIP WIRE OF JACKET	FROM TERMINATION SPEC	FROM CIRCUIT POINT	TO CUT WIRE OF SHIELD	TO STRIP WIRE OF JACKET	TO TERMINATION SPEC	TO CIRCUIT POINT
A 836R		31V	49	217	X35- 3	31V	48	242	
A 838	3	31V		217	X35- 6	31V	48	242	
A 838A	2	29W		217	SHLD A838	29W		234	
A 838L		31V		217	X38-12	31V		249	
A 838R		31V		217	X38- 9	31V		249	
A 839	3	31V		217	X39- 2	31V	48	249	
A 840	3	31V	49	219	TB7-19C	19W	43	33	
A 841	10		250	220	50 64 56 5				
A 841A	2	29W		219	SHLD A841	29W		236	
A 841L		31V	49	219	X40- 6	31V		242	
A 841R		31V	49	219	X40- 3	31V		242	
A 842	10		250	220	50 64 56 5				
A 842A	2	29W		219	SHLD A842	29W		236	
A 842L		31V	49	219	X40- 7	31V		242	
A 842R		31V	49	219	X40- 4	31V		242	
A 843	10		250	220	50 64 56 5				
A 843A	2	29W		219	SHLD A843	29W		236	
A 843L		31V	49	219	X40- 8	31V		243	X41- 2
A 843R		31V	49	219	X40- 5	31V		243	X41- 1
A 844	3	31V	49	220	X41- 2	31V	49	33	TB7-19R
A 844A	2	29W		220	SHLD A844	29W		236	
A 844L		31V	48	220	X41- 7	31V		243	X41- 4
A 844R		31V		220	X41- 6	31V		243	X41- 3
A 845	10		250	220	50 64 56 5				
A 845A	2	29W		220	SHLD A845	29W		236	
A 845L		31V	49	221	X42- 2	31V	49	243	X41- 7
A 845R		31V	49	221	X42- 1	31V	49	243	X41- 6
A 846	10		250	220	50 64 56 5				
A 846A	2	29W		221	SHLD A846	29W		236	
A 846L		31V	49	221	X42- 4	31V	49	244	X42- 2
A 846R		31V	49	221	X42- 3	31V	49	244	X42- 1
A 847	10		250	220	50 64 56 5				
A 847A	2	29W		221	SHLD A847	29W		236	
A 847L		31V	49	222	X42- 6	31V	49	244	X42- 4
A 847R		31V	49	222	X42- 5	31V	49	244	X42- 3
A 848	10		250	220	50 64 56 5				
A 848A	2	29W		222	SHLD A848	29W		236	
A 848L		31V	49	222	X42- 8	31V	49	244	X42- 6
A 848R		31V	49	222	X42- 7	31V	49	244	X42- 5
A 849	10		250	220	50 64 56 5				
A 849A	2	29W		222	SHLD A849	29W		236	
A 849L		31V	49	223	X43- 4	31V	49	245	X42- 8
A 849R		31V	49	223	X43- 3	31V	49	245	X42- 7
A 850	10		250	220	50 64 56 5				
A 850A	2	29W		223	SHLD A850	29W		236	
A 850L		31V	49	223	X43-14	31V	49	261	X43-17
A 850R		31V	49	223	X43-17	31V	49	261	X43-18
A 851	3	31V	49	224	X44-18	31V	49	224	
A 852	3	31V	48	224	X44- 2	31V	48	224	
A 853	3	31V		224	X44- 2	31V	43	33	
A 854	3	31V	49	224	X44- 4	31V	49	224	
A 855	10		250	220	50 64 56 5				
A 855A	2	29W		224	SHLD A855	29W		236	
A 855L		31V		225	X44-10	31V		249	
A 855R		31V		225	X44- 7	31V		249	
A 856	10		250	220	50 64 56 5				
A 857	10		250	220	50 64 56 5				
A 857A	2	29W		225	SHLD A857	29W		236	
A 857L		31V	49	225	X44-16	31V		249	
A 857R		31V	49	225	X44-13	31V		249	
A 858	10		250	220	50 64 56 5				
A 858A	2	29W		225	SHLD A858	29W		236	
A 858L		31V	49	226	TB11-17D	19W	42	37	
A 858R		31V	49	226	TB11-18D	19W	42	37	
A 859	10		250	220	50 64 56 5				
A 859A	2	29W		226	SHLD A859	29W		236	
A 859L		31V	49	226	X45- 7	31V		249	
A 859R		31V	49	226	X45- 4	31V		249	
A 860	10		250	220	50 64 56 5				
A 860A	2	29W		226	SHLD A860	29W		236	
A 860L		31V	49	226	X59- 9	31V	48	249	
A 860R		31V		226	X59- 8	31V		249	
A 861	10		250	220	50 64 56 5				
A 861A	2	29W		226	SHLD A861	29W		236	
A 861L		31V		227	X60- 2	31V		250	X59-10
A 861R		31V		227	X60- 1	31V		250	X59-13
A 862	10		250	220	50 64 56 5				
A 862A	2	29W		227	SHLD A862	29W		236	
A 862L		31V	49	227	X60- 7	31V		250	X60- 4
A 862R		31V	49	227	X60- 4	31V		250	X60- 7
A 863	10		250	220	50 64 56 5				
A 863A	2	29W		227	SHLD A863	29W		236	
A 863L		31V	49	228	X60- 8	31V		250	X60-12
A 863R		31V	49	228	X60- 5	31V		250	X60- 9
A 864	3	31V	49	228	X41- 2	31V	49	33	TB7-19R
A 864A	2	29W		228	SHLD A864	29W		236	
A 864L		31V	48	228	X41- 7	31V		250	X60- 7
A 864R		31V		228	X41- 6	31V		250	X60- 6
A 865	10		250	220	50 64 56 5				
A 865A	2	29W		228	SHLD A865	29W		236	
A 865L		31V	49	229	X41- 4	31V	49	250	X61- 2
A 865R		31V	49	229	X41- 3	31V	49	250	X61- 1
A 866	10		250	220	50 64 56 5				
A 866A	2	29W	

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO
A 860R		K45- 5	31Y	49	224	K59- 8	31Y	48	249
A 861	10		250 220 50 64 56 5				250 220 52	7A	
A 861A	2	SHLD A861	25N			E73-8	38N		236
A 861L		K45-13	31Y		224	K60-10	31Y		250
A 861R		K45-10	31Y		224	K60-13	31Y		250
A 862	10		250 220 50 64 56 5				250 220 52	7A	
A 862A	2	SHLD A862	25N			E73-9	38N		236
A 862L		K45-14	31Y	49	224	K60-11	31Y	48	250
A 862R		K45-11	31Y	49	224	K60-14	31Y	48	250
A 863	3	K46-18	31Y	49	225	K47- 1	31Y	48	226
A 864	3	K46- 2	31Y	49	225	K47- 2	31Y	48	226
A 865	3	K47- 2	31Y		226	K64- 2	31Y	48	254
A 866	10		250 220 50 64 56 5				250 220 52	7A	
A 866A	2	SHLD A866	25N			E75-8	38N		238
A 866L		K47-14	31Y	49	226	TB17- 4D	19N	42	261
A 866R		K47-17	31Y	49	226	TB17- 3D	19N	42	261
A 867	3	K48-18	31Y	49	227	K49- 1	31Y		228
A 868	3	K48- 2	31Y	48	227	K49- 2	31Y	48	228

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 123 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO
A 869	3	K48- 2	31Y		227	TB7-17D	19N	43	33
A 870	3	K48- 4	31Y	49	227	K49-15	31Y	49	228
A 871	10		250 220 50 64 56 5				250 220 52	7A	
A 871A	2	SHLD A871	25N			E75-8	38N		238
A 871L		K48-10	31Y		227	K63-16	31Y		253
A 871R		K48- 7	31Y		227	K63-19	31Y		253
A 872	10		250 220 50 64 56 5				250 220 52	7A	
A 872A	2	SHLD A872	25N			E75-8	38N		238
A 872L		K48-11	31Y	49	227	TB11-12E	19N	42	37
A 872R		K48- 8	31Y	49	227	TB11-11E	19N	42	37
A 873	10		250 220 50 64 56 5				250 220 52	7A	
A 873A	2	SHLD A873				E75-8	38N		238
A 873L		K48-16	31Y		227	K63-10	31Y		253
A 873R		K48-13	31Y		227	K63-13	31Y		253
A 874	10		250 220 50 64 56 5				250 220 52	7A	
A 874A	2	SHLD A874	25N			E75-8	38N		238
A 874L		K48-17	31Y	49	227	TB11-10E	19N	42	37
A 874R		K48-14	31Y	49	227	TB11- 9E	19N	42	37

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 124 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO
A 875	10		250 220 50 64 56 5				250 220 52	7A	
A 875A	2	SHLD A875	25N			E75-8	38N		238
A 875L		K49- 7	31Y		228	K63- 4	31Y		253
A 875R		K49- 4	31Y		228	K63- 7	31Y		253
A 876	10		250 220 50 64 56 5				250 220 52	7A	
A 876A	2	SHLD A876	25N			E75-8	38N		238
A 876L		K49- 8	31Y	49	228	K63- 5	31Y	48	253
A 876R		K49- 5	31Y	49	228	K63- 8	31Y	48	253
A 877	10		250 220 50 64 56 5				250 220 52	7A	
A 877A	2	SHLD A877	25N			E75-8	38N		238
A 877L		K49-13	31Y		228	K64-10	31Y		254
A 877R		K49-10	31Y		228	K64-13	31Y		254
A 878	10		250 220 50 64 56 5				250 220 52	7A	
A 878A	2	SHLD A878	25N			E75-8	38N		238
A 878L		K49-14	31Y	49	228	K64-11	31Y	48	254
A 878R		K49-11	31Y	49	228	K64-14	31Y	48	254
A 879	3	K50-18	31Y	49	229	K51- 1	31Y	48	230
A 880	3	K50- 2	31Y	49	229	K51- 2	31Y	49	230

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 125 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO
A 881	10		250 220 50 64 56 5				250 220 52	7A	
A 881A	2	SHLD A881	25N			E75-8	38N		238
A 881L		K50-14	31Y	49	229	TB17- 6D	19N	42	261
A 881R		K50-17	31Y	49	229	TB17- 5D	19N	42	261
A 882	3	K51- 1	31Y		230	K67- 1	31Y	48	257
A 883	3	K51- 2	31Y		230	K68- 2	31Y	48	258
A 884	3	K52-18	31Y	49	231	K53- 1	31Y		232
A 885	3	K52- 2	31Y	48	231	K53- 2	31Y	48	232
A 886	3	K52- 2	31Y		231	TB7-16D	19N	43	33
A 887	3	K52- 4	31Y	49	231	K53-15	31Y	49	232
A 888	1	K52-10	31Y	49	231	TB11-14E	19N	42	37
A 889	1	K52- 7	31Y	49	231	K67-19	31Y		257
A 890	10		250 220 50 64 56 5				250 220 52	7A	
A 890A	2	SHLD A890	25N			E76-8	38N		240
A 890L		K52-11	31Y	49	231	K67-17	31Y	48	257
A 890R		K52- 8	31Y	49	231	K67-20	31Y	48	257
A 891	1	K52-13	31Y	49	231	K67-13	31Y		257
A 892	1	K52-16	31Y	49	231	TB11- 8E	19N	42	37

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 126 OF 150

GNW WIRING HARNESS A AR 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT 3	FROM CIRCUIT POINT 5	FROM TERMINATION SPEC 1	FROM ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT 3	TO CIRCUIT POINT 5	TO TERMINATION SPEC 1	TO ITEM NO	TO NO
A 893	10		250	220 50 64 56 5					250	220 52		7A	
A 893A	2	SHLD A893	25N					E76-B	38N				240
A 893L		K52-17	31Y	49			231	K67-11	31Y	48			257
A 893R		K52-14	31Y	49			231	K67-14	31Y	48			257
A 894	10		250	220 50 64 56 5					250	220 52		7A	
A 894A	2	SHLD A894	25N					E76-B	38N				240
A 894L		K53- 7	31Y				232	K67- 4	31Y				257
A 894R		K53- 4	31Y				232	K67- 7	31Y				257
A 895	10		250	220 50 64 56 5					250	220 52		7A	
A 895A	2	SHLD A895	25N					E76-B	38N				240
A 895L		K53- 8	31Y	49			232	K67- 5	31Y	48			257
A 895R		K53- 5	31Y	49			232	K67- 8	31Y	48			257
A 896	10		250	220 50 64 56 5					250	220 52		7A	
A 896A	2	SHLD A896	25N					E76-B	38N				240
A 896L		K53-13	31Y				232	K68-10	31Y				258
A 896R		K53-10	31Y				232	K68-13	31Y				258
A 897	10		250	220 50 64 56 5					250	220 52		7A	
A 897A	2	SHLD A897	25N					E76-R	38N				240

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 127 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT 3	FROM CIRCUIT POINT 5	FROM TERMINATION SPEC 1	FROM ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT 3	TO CIRCUIT POINT 5	TO TERMINATION SPEC 1	TO ITEM NO	TO NO
A 897L		K53-14	31Y	49			232	K68-11	31Y	48			258
A 897R		K53-11	31Y	49			232	K68-14	31Y	48			258
A 898	3	K54- 2	31Y				241	TB7-19E	19N	43			33
A 899	10		250	220 50 64 56 5					250	220 52		7A	
A 899A	2	SHLD A899	25N					E71-B	38N				234
A 899L		K54- 6	31Y	49			241	K55- 8	31Y	49			242
A 899R		K54- 3	31Y	49			241	K55- 5	31Y	49			242
A 900	10		250	200 50 64 56 5					250	220 52		7A	
A 900A	2	SHLD A900	25N					E71-B	38N				234
A 900L		K54- 8	31Y				241	K55- 7	31Y				242
A 900R		K54- 5	31Y				241	K55- 4	31Y				242
A 901	10		250	220 50 64 56 5					250	220 52		7A	
A 901A	2	SHLD A901	25N					E71-B	38N				234
A 901L		K54-14	31Y	49			241	K56- 7	31Y				243
A 901R		K54-11	31Y	49			241	K56- 4	31Y	48			243
A 902	3	K55- 2	31Y	49			242	TB7-19D	19N	43			33
A 903	3	K56- 2	31Y	49			243	TB7-18A	19N	43			33
A 904	7		250	220 52 63 54 5					200	170 53		7A	

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AR | SHEET 128 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT 3	FROM CIRCUIT POINT 5	FROM TERMINATION SPEC 1	FROM ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT 3	TO CIRCUIT POINT 5	TO TERMINATION SPEC 1	TO ITEM NO	TO NO
A 904A	2	SHLD A904	25N					E71-R	38N				234
A 904W		K56- 3	31Y	49			243	E4	25Y				246
A 905	10		250	220 50 64 56 5					250	220 52		7A	
A 905A	2	SHLD A905	25N					E71-R	38N				234
A 905L		K56- 6	31Y	49			243	E2	25Y				244
A 905R		K56- 9	31Y	49			243	E3	25Y				245
A 906	3	K57-15	31Y	48			247	K58- 1	31Y	49			248
A 907	3	K57- 2	31Y	48			247	TB7-18C	19N	43			33
A 908	3	K57- 2	31Y				247	K58- 2	31Y	49			248
A 909	10		250	220 50 64 56 5					250	220 52		7A	
A 909A	2	SHLD A909	25N					E72-R	38N				235
A 909L		K57- 3	31Y	49			247	K61- 3	31Y	48			251
A 909R		K57- 6	31Y	49			247	K61- 6	31Y	48			251
A 910	10		250	200 50 64 56 5					250	220 52		7A	
A 910A	2	SHLD A910	25N					E72-B	38N				235
A 910L		K57- 5	31Y	49			247	K60-11	31Y				250
A 910R		K57- 8	31Y	49			247	K60-14	31Y				250
A 911	10		250	220 50 64 56 5					250	220 52		7A	

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 129 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT 3	FROM CIRCUIT POINT 5	FROM TERMINATION SPEC 1	FROM ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT 3	TO CIRCUIT POINT 5	TO TERMINATION SPEC 1	TO ITEM NO	TO NO
A 911A	2	SHLD A911	25N					E72-B	38N				235
A 911L		K57- 9	31Y	49			247	K61- 9	31Y	48			251
A 911R		K57-12	31Y	49			247	K61-12	31Y	48			251
A 912	10		250	220 50 64 56 5					250	220 52		7A	
A 912A	2	SHLD A912	25N					E72-B	38N				235
A 912L		K57-11	31Y	49			247	K59- 5	31Y				249
A 912R		K57-14	31Y	49			247	K59- 8	31Y				249
A 913	10		250	220 50 64 56 5					250	220 52		7A	
A 913A	2	SHLD A913	25N					E72-B	38N				235
A 913L		K58- 3	31Y	49			248	K62- 3	31Y	48			252
A 913R		K58- 6	31Y	49			248	K62- 6	31Y	48			252
A 914	10		250	220 50 64 56 5					250	220 52		7A	
A 914A	2	SHLD A914	25N					E72-B	38N				235
A 914L		K58- 8	31Y	49			248	K59-11	31Y				249
A 914R		K58- 5	31Y	49			248	K59-14	31Y				249
A 915	10		250	220 50 64 56 5					250	220 52		7A	
A 915A	2	SHLD A915	25N					E72-B	38N				235
A 915L		K58- 9	31Y	49			248	K62- 9	31Y	48			252

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 130 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO
A 915R		K58-12	31Y	49	248	K67-12	31Y	48	252
A 916	10		250 220 50 64 56 5				250 220 52		7A
A 916A	2	SHLD A916	25N			E72-B	38N		235
A 916L		K58-11	31Y	49	248	K59-17	31Y		249
A 916R		K58-14	31Y	49	248	K59-20	31Y		249
A 917	3	K59- 1	31Y		249	K60- 1	31Y		250
A 918	3	K59- 2	31Y		249	K60- 2	31Y	48	250
A 919	10		250 220 50 64 56 5				250 220 52		7A
A 919A	2	SHLD A919	25N			E72-B	38N		235
A 919L		K59-11	31Y	49	249	TB11-18E	19N	42	37
A 919R		K59-14	31Y	48	249	TB11-17E	19N	42	37
A 920	10		250 220 50 64 56 5				250 220 52		7A
A 920A	2	SHLD A920	25N			E72-R	38N		235
A 920L		K59-17	31Y	48	249	TB11-16E	19N	42	37
A 920R		K59-20	31Y	48	249	TB11-15E	19N	42	37
A 921	3	K60- 2	31Y		250	TB7-18D	19N	43	33
A 922	3	K61-15	31Y	49	251	K62- 1	31Y	49	252
A 923	3	K61- 2	31Y	48	251	K62- 2	31Y	49	252

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AB | SHEET 131 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO
A 924	3	K61- 2	31Y		251	TB7-17A	19N	43	33
A 925	10		250 220 50 64 56 5				250 220 52		7A
A 925A	2	SHLD A925	25N			E74-B	38N		237
A 925L		K61- 3	31Y		251	K65- 3	31Y		255
A 925R		K61- 6	31Y		251	K65- 6	31Y		255
A 926	10		250 220 50 64 56 5				250 220 52		7A
A 926A	2	SHLD A926	25N			E74-B	38N		237
A 926L		K61- 5	31Y	49	251	K64-11	31N		254
A 926R		K61- 8	31Y	49	251	K64-14	31N		254
A 927	10		250 220 50 64 56 5				250 220 52		7A
A 927A	2	SHLD A927	25N			E74-B	38N		237
A 927L		K61- 9	31Y		251	K65- 9	31Y		255
A 927R		K61-12	31Y		251	K65-12	31Y		255
A 928	10		250 220 50 64 56 5				250 220 52		7A
A 928A	2	SHLD A928	25N			E74-B	38N		237
A 928L		K61-11	31Y	49	251	K63- 5	31Y		253
A 928R		K61-14	31Y	49	251	K63- 8	31Y		253
A 929	10		250 220 50 64 56 5				250 220 52		7A

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AB | SHEET 132 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO
A 929A	2	SHLD A929	25N			E74-B	38N		237
A 929L		K62- 3	31Y		252	K66- 3	31Y		256
A 929R		K62- 6	31Y		252	K66- 6	31Y		256
A 930	10		250 220 50 64 56 5				250 220 52		7A
A 930A	2	SHLD A930	25N			E74-B	38N		237
A 930L		K62- 8	31Y	49	252	K63-11	31Y	48	253
A 930R		K62- 5	31Y	49	252	K63-14	31Y	48	253
A 931	10		250 220 50 64 56 5				250 220 52		7A
A 931A	2	SHLD A931	25N			E74-B	38N		237
A 931L		K62- 9	31Y		252	K66- 9	31Y		256
A 931R		K62-12	31Y		252	K66-12	31Y		256
A 932	10		250 220 50 64 56 5				250 220 52		7A
A 932A	2	SHLD A932	25N			E74-B	38N		237
A 932L		K62-11	31Y	49	252	K63-17	31Y	48	253
A 932R		K62-14	31Y	49	252	K63-20	31Y	48	253
A 933	3	K63- 1	31Y	48	253	K64- 1	31Y		254
A 934	3	K63- 2	31Y	48	253	K64- 2	31Y		254
A 935	3	K63- 2	31Y		253	TB7-17C	19N	43	33

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AB | SHEET 133 OF 150

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO	NO
A 936	10		250 220 50 64 56 5				250 220 52		7A
A 936A	2	SHLD A936	25N			E74-B	38N		237
A 936L		K63-11	31Y		253	TB11-10D	19N	42	37
A 936R		K63-14	31Y		253	TB11- 9D	19N	42	37
A 937	10		250 220 50 64 56 5				250 220 52		7A
A 937A	2	SHLD A937	25N			E74-R	38N		237
A 937L		K63-17	31Y		253	TB11-12D	19N	42	37
A 937R		K63-20	31Y		253	TB11-11D	19N	42	37
A 938	3	K65-15	31Y	49	255	K66- 1	31Y	49	256
A 939	3	K65- 2	31Y	48	255	K66- 2	31Y	49	256
A 940	3	K65- 2	31Y		255	TB7-17E	19N	43	33
A 941	10		250 220 50 64 56 5				250 220 52		7A
A 941A	2	SHLD A941	25N			E76-B	38N		240
A 941L		K65- 5	31Y	49	255	K68-14	31Y		258
A 941R		K65- 8	31Y	49	255	K68-11	31Y		258
A 942	10		250 220 50 64 56 5				250 220 52		7A
A 942A	2	SHLD A942	25N			E76-B	38N		240
A 942L		K65-11	31Y	49	255	K67- 5	31Y		257

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AB | SHEET 134 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	2	TERMINATION SPEC 1	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	2	TERMINATION SPEC 1	ITEM NO	NO
A 942R		K65-14	31Y	49			255	K67- 8	31Y				257
A 943	10		250	220 50 64 56 5					250	220 52			7A
A 943A	2	SHLD A943	25N					E76-B	38N				240
A 943L		K66- 5	31Y	49			256	K67-11	31Y				257
A 943R		K66- 8	31Y	49			256	K67-14	31Y				257
A 944	10		250	220 50 64 56 5					250	220 52			7A
A 944A	2	SHLD A944	25N					E76-R	38N				240
A 944L		K66-11	31Y	49			256	K67-17	31Y				257
A 944R		K66-14	31Y	49			256	K67-20	31Y				257
A 945	3	K67- 1	31Y				257	K68- 1	31Y				258
A 946	3	K67- 2	31Y	48			257	K68- 2	31Y				258
A 947	3	K67- 2	31Y				257	TB7-16C	19N	43			33
A 948	1	K67-10	31Y				257	TB11- 8D	19N	42			37
A 949	1	K67-16	31Y				257	TB11-14D	19N	42			37
A 950	3	P1-A	22N				118	K7- 7	31Y	49			46
A 951	3	P1-B	31Y	90			118	TB7-16B	19N	43			33
A 952	1	P1-C	31Y	90			118	K25- 8	31Y	49			205
A 953	1	P1-D	22N				118	TB1-22	25Y				103

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 135 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	2	TERMINATION SPEC 1	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	2	TERMINATION SPEC 1	ITEM NO	NO
A 954	1	P1-U	22N	88 89			118	K25- 4	31Y				205
A 955	1	P1-U	22N				118	P4-F	22N				117
A 956	1	P1-V	31Y	90			118	K25- 1	31Y	49			205
A 957	1	P1-W	22N	88 89			118	K25- 7	31Y	49			205
A 958	1	P1-X	31Y	90			118	TB7-12B	19N	42			33
A 959	1	P1-W	22N				118	TB1-24	25Y				102
A 960	1	P2-D*	31Y	90			119	K7- 1	31Y	49			46
A 961	1	P4-X	22N				117	P6-D*	22N	88 89			114
A 962	1	P4-D*	31Y	90			117	K8- 2	31Y	47			39
A 963	1	P6-N	22N				114	K8-13	31Y	47			39
A 964	1	P6-D*	22N				114	P8-D*	22N	88 89			115
A 965	1	P8-C*	22N				115	P9-A	22N				116
A 966	1	P8-D*	31Y				115	P10-D*	22N	88 89			112
A 967	1	P10-D*	22N				112	K8- 4	31Y				39
A 969	3	TB1- 1	25Y				111	TB6- 7B	19N	43			38
A 970	3	TB6- 7A	19N	49			38	TB7-15B	19N	43			33
A 971	3	TB7-15C	19N	43			33	TB12- 1	25Y				182
A 972	6	TB8-16	31N	41			34	TB14-16	31N	41			265

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 136 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	2	TERMINATION SPEC 1	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	2	TERMINATION SPEC 1	ITEM NO	NO
A 973	6	TB8- 2	31N	41			34	TB16-16	31N	41			262
A 974	5	TB8-12	19N	40			34	TB10- 2	19N	40			36
A 975	6	TB8-14	31N	41			34	TB9- 2	31N	41			35
A 976	6	J30-G	41Y	46			314	TB15-16	31N	41			264
A 977	4	XF1- 2	31Y				147	TB5- 7	19N	40			59
A 978	6	XF2- 2	31Y				146	TB5- 8	31	41			57
A 979	4	XF3- 2	31Y				138	TB5- 9	19N	40			55
A 980	4	XF4- 2	31Y				137	TB5-10	19N	40			53
A 981	3	E20-RB	38N				22	ER0-B	38N				24
A 982	3	E21-BB	38N				3	E79-B	38N				23
A 983	3	E22-BB	38N				2	E79-B	38N				23
A 984	3	E23-BB	38N				4	E79-B	38N				23
A 985	3	E24-BB	38N				6	E79-B	38N				23
A 986	3	E25-BB	38N				7	E79-R	38N				23
A 987	3	E26-BB	38N				9	E31-B	38N				11
A 988	3	E27-RB	38N				10	E31-B	38N				11
A 989	3	E28-RR	38N				14	E31-B	38N				11
A 990	3	E29-BB	38N				15	E31-B	38N				11

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 137 OF 150

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	2	TERMINATION SPEC 1	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	2	TERMINATION SPEC 1	ITEM NO	NO
A 991	3	E30-BB	38N				13	E31-R	38N				11
A 992	4	E31-BB	38N				11	TB15- 6	31N	40			264
A 993	3	E32-BB	38N				27	E80-R	38N				24
A 994	3	E33-BB	38N				28	E80-B	38N				24
A 995	3	E34-BB	38N				31	E80-R	38N				24
A 996	3	E35-BB	38N				30	E80-B	38N				24
A 997	3	E36-BB	38N				155	E39-B	38N				151
A 998	3	E37-BB	38N				156	E39-B	38N				151
A 999	3	E38-BB	38N				157	E39-B	38N				151
A1000	4	E39-BB	38N				151	TB15- 8	19N	40			264
A1001	4	E40-BB	38N				169	TB15- 9	19N	40			264
A1002	3	E41-RB	38N				170	E40-R	38N				169
A1003	3	E42-BR	38N				171	E40-B	38N				169
A1004	3	E89-R	38N				162	E40-R	38N				169
A1005	3	E90-RR	38N				163	E40-B	38N				169
A1006	3	E45-RB	38N				161A	E49-B	38N				164
A1007	3	E46-RB	38N				160	E49-B	38N				164
A1008	3	E47-RB	38N				161	E49-R	38N				164

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 138 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1 3	TERMINATION SPEC 1 ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1 3	TERMINATION SPEC 1 ITEM NO	NO.
A1009	3	E48-BB	38N		167	E49-B	38N		164
A1010	3	E49-BB	38N		164	TB15-10	19N	40	264
A1011	3	E50-BB	38N		312	E81-B	38N		310
A1012	3	E51-BB	38N		311	E81-B	38N		310
A1013	3	E52-BB	38N		308	E81-B	38N		310
A1014	3	E53-BB	38N		309	E81-B	38N		310
A1015	3	E54-BB	38N		305	E81-B	38N		310
A1016	3	E55-BB	38N		306	E82-B	38N		272
A1017	3	E56-BB	38N		302	E88-B	38N		270
A1018	3	E57-BB	38N		299	E64-B	38N		277
A1019	3	E58-BB	38N		297	E64-B	38N		277
A1020	3	E59-BB	38N		296	E82-B	38N		272
A1021	3	E60-BB	38N		294	E82-B	38N		272
A1022	3	E62-BB	38N		292	E88-B	38N		270
A1023	3	E63-BB	38N		278	E64-B	38N		277
A1024	4	E64-BB	38N		277	TB15-11	19N	40	264
A1025	3	E65-BB	38N		276	E88-B	38N		270
A1026	3	E66-BB	38N		273	E88-B	38N		270

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 139 OF 150

GNW WIRING HARNESS A AC 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1 3	TERMINATION SPEC 1 ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1 3	TERMINATION SPEC 1 ITEM NO	NO.
A1026	3	E66-BB	38N		273	E88-B	38N		270
A1027	3	E67-BB	38N		269	E88-B	38N		270
A1028	3	E68-BB	38N		179	E77-B	38N		259
A1029	3	E69-BB	38N		181	E77-B	38N		259
A1030	3	E70-BB	38N		233	E77-B	38N		259
A1031	3	E71-BB	38N		234	E78-B	38N		239
A1032	3	E72-BB	38N		235	E78-B	38N		239
A1033	3	E73-BB	38N		236	E78-B	38N		239
A1034	3	E74-BB	38N		237	E78-B	38N		239
A1035	3	E75-BB	38N		238	E78-B	38N		239
A1036	3	E76-BB	38N		240	E77-B	38N		259
A1037	4	E77-BB	38N		259	TB15- 7	19N	40	264
A1038	4	E78-BB	38N		239	TB15- 5	19N	40	264
A1039	4	E79-BB	38N		23	TB15- 2	19N	40	264
A1040	4	E80-BB	38N		24	TB15- 4	19N	40	264
A1041	4	E81-BB	38N		310	TB15-12	19N	40	264
A1042	4	E82-BB	38N		272	TB15-13	19N	40	264
A1043		DELETED							

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AC | SHEET 140 OF 150

GNW WIRING HARNESS A AC 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1 3	TERMINATION SPEC 1 ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1 3	TERMINATION SPEC 1 ITEM NO	NO.
A1044		DELETED							
A1045		DELETED							
A1046		DELETED							
A1047	4	E87-BB	38N		263	TB16- 6	19N	40	262
A1048	4	K6-10	31Y	43	59	E15	25Y		42
A1049	4	E88-BB	38N		270	TB15-14	19N	40	264
A1051	3	E43-BB	38N		152	E39-B	38N		151
A1052	3	E44-BB	38N		153	E39-B	38N		151
A1053	3	K47- 1	31Y		226	K63- 1	31Y		253
A1054	9		280	250 52 63 55 5			280	250 53	7A
A1054A	2	SHLD A1054	25N			E65-B	38N		276
A1054W		J43-E	22N		275	TB6- 30	19N	43	98
A1055	10		280	250 50 64 56 5			280	250 52	7A
A1055A	2	SHLD A1055	25N			E33-B	38N		28
A1055L		J10-F*	22N		29	J34-D	22N		301
A1055R		J10-E*	22N		29	J34-C	22N		301
A1056	7		280	250 52 63 54 5			280	250 53	7A
A1056A	2	SHLD A1056	25N			E33-A	38N		28

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AC | SHEET 141 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1 3	TERMINATION SPEC 1 ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1 3	TERMINATION SPEC 1 ITEM NO	NO.
A1057	7		280	250 52 63 54 5			250	220 53	7A
A1057A	2	SHLD A1057	25N			E33-B	38N		28
A1057W		J10-H*	22N		29	XF18- 2	31Y		129
A1060	3	E61-BB	38N		271	F82-B	38N		272
A1061	3	J31-D*	22N		311	TB13-16D	19N	43	266
A1062	3	E91-BB	38N		21	E79-B	38N		23
A1063	1	P10-T	22N		112	P11-A	22N		113
A1064	1	P10-U	22N		112	P11-B	22N		113
A1065	1	P10-V	22N		112	P11-C	22N		113
A1066	1	P10-W	22N		112	P11-D	22N		113
A1067	1	P10-X	22N		112	P11-E	22N		113
A1068	1	P10-Y	22N		112	P11-F	22N		113
A1069	1	P10-Z	22N		112	P11-G	22N		113
A1070	1	P10-A*	22N		112	P11-H	22N		113
A1071	1	P10-B*	22N		112	P11-J	22N		113
A1072	1	P10-C*	22N		112	P11-K	22N		113
A1073	4	E92-BB	38N		148	TB16-11	19N	40	262
A1074	3	E93-BB	38N		172	E40-B	38N		169

1 > THE STD CONDDCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE-NONE | REV LTR AB | SHEET 142 OF 150

GNW WIRING HARNESS A AC 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	1	2	ITEM NO.	TERMINATION SPEC	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	1	2	ITEM NO.	TERMINATION SPEC	NO.
A1074	3	E93-B*	38N				172	E40-B	38N				169
A1075	3	E94-B*	38N				309	E88-B	38N				270
A1076	4	J30-K	41Y		46		314	TB15- 3	19N		40		264
A1077		DELETED											
A1078	3	J9-C	22N				26	J26-C	22N				159
A1083	3	J7-C	22N				20	XF19- 1	31Y				136
A1084	3	J7-D	22N				20	TB7-15E	19N		43		93
A1085	3	TB7- 8D	19N		43		33	K54-16	31Y		48		241
A1086	3	TB7- 8E	19N		43		33	K42-19	31Y		48		221
A1087	3	K42-19	31Y				221	K44-19	31Y		48		223
A1088	3	K44-19	31Y				223	K46-19	31Y		48		225
A1089	3	K46-19	31Y				225	K48-19	31Y		48		227
A1090	3	K48-19	31Y				227	K50-19	31Y		48		229
A1091	3	K50-19	31Y				229	K52-19	31Y		49		231
A1092	3	K54-16	31Y				241	K57-16	31Y		48		247
A1093	3	K57-16	31Y				247	K61-16	31Y		48		251
A1094	3	K61-16	31Y				251	K65-16	31Y		48		255
A1095	3	K65-16	31Y				255	K33-12	31Y		48		212

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AC | SHEET 143 OF 150

GNW WIRING HARNESS A AC 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	1	2	ITEM NO.	TERMINATION SPEC	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	1	2	ITEM NO.	TERMINATION SPEC	NO.
A1096	3	K33-12	31Y				212	K31-12	31Y		49		210
A1097	3	TB7-12F	19N		43		33	K2-12	19N		43		44
A1098	3	TB7-11E	19N		43		33	XF19- 2	31Y				136
A1099	3	TB7- 8C	19N		43		33	XF19- 2	31Y				136
A1100	3	K34- 4	31Y				213	K37- 1	31Y				216
A1101	3	K34-11	31Y				213	K36-11	31Y				215
A1102	1	K31- 2	31Y				210	TR12-16	25Y				190
A1103	1	K31-11	31Y				210	TB12-15	25Y				191
A1104		DELETED											
A1105	3	TB6- 6C	19N		43		38	TB9- 6	19N		39		34
A1106	6	J40-X	41Y		46		290	TB15-15	31N		41		264
A1107	10		230	200	50	64 56 5			250	220	52		7A
A1107A	2	SHLD A1107	25N					E48-B	38N				167
A1107L		J27-C	22N				168	K21- 3	31Y				180
A1107R		J27-A	22N				168	K21- 5	31Y				180
A1108	10		230	200	50	64 56 5			250	220	52		7A
A1108A	2	SHLD A1108	25N					E48-B	38N				167
A1108L		J25-C	22N				154	K21- 2	31Y				180

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AC | SHEET 144 OF 150

GNW WIRING HARNESS A AB 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	1	2	ITEM NO.	TERMINATION SPEC	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	1	2	ITEM NO.	TERMINATION SPEC	NO.
A1109	12		250	220	90	67 59 5			250	220	51		7A
A1109A	2	SHLD A1109	25N					E44-B	38N				153
A1109L		J25-J*	22N				154	K37-13	31Y		49		216
A1109R		J25-I*	22N				154	K37-16	31Y		49		216
A1110	12		250	220	90	67 59 5			250	220	51		7A
A1110A	2	SHLD A1110	25N					E24-B	38N				6
A1110L		J3-L	22N				8	K37-14	31Y		49		216
A1110R		J3-K	22N				8	K37-17	31Y		49		216
A1111	3	J25-G*	22N				154	TR17-19	25Y				191C
A1112	3	J42-E*	22N				275	TR12-17	25Y				191A
A1113	3	J43-F	22N				275	K9-10	31Y		47		50
A1114	3	K3- 8	31Y		47		50	K4- 9	31Y		47		49
A1115	3	K4-10	31Y		47		49	TR14-14	19N		39		265

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AB | SHEET 145 OF 150

MULTIPLE CONNECTED ITEMS		
TERM NO.	REF DESIG	ITEM NO.
1	J1	71
2	E22	36, 38
3	E21	36, 38
4	E23	36, 38
5	J2	18
6	E24	35, 37
7	E25	35, 37
8	J3	19
9	E26	36, 38
10	E27	36, 38
11	E31	36, 38
12	J4	20
13	E30	36, 38
14	E28	36, 38
15	E29	36, 38
16	J5	21
17	J6	22
~~18~~	~~E85~~	~~35, 37~~
~~19~~	~~E86~~	~~35, 37~~
20	J7	23
21	E91	35, 37
22	E20	36, 38

MULTIPLE CONNECTED ITEMS		
TERM NO.	REF DESIG	ITEM NO.
23	E79	36, 38
24	E80	36, 38
25	J8	24
26	J9	25
27	E32	36, 38
28	E33	36, 38
29	J10	26
30	E35	35, 37
31	E34	36, 38
32	J11	27
112	P10	78
113	P11	79
114	P6	76
115	P8	80
116	P9	77
117	P4	75
118	P1	73
119	P2	74
148	E92	35, 37
149	J21	28
~~150~~	~~E84~~	~~35, 37~~
151	E39	35, 37

CODE IDENT NO 99974 | SIZE A | 1900712
SCALE NONE | REV LTR AC | SHEET 146 OF 150

MULTIPLE CONNECTED ITEMS		
TERM NO.	REF DESIG	ITEM NO.
152	E43	35, 37
153	E44	35, 37
154	J25	30
155	E36	35, 37
156	E37	36, 38
157	E38	35, 37
158	J22	25
159	J26	19
160	E46	35, 37
161	E47	35, 37
161A	E45	35, 37
162	E89	36, 38
163	E90	36, 38
164	E49	35, 37
165	J23	29
167	E48	36, 38
168	J27	26
169	E40	35, 37
170	E41	36, 38
171	E42	36, 38
172	E93	36, 38
173	J24	20

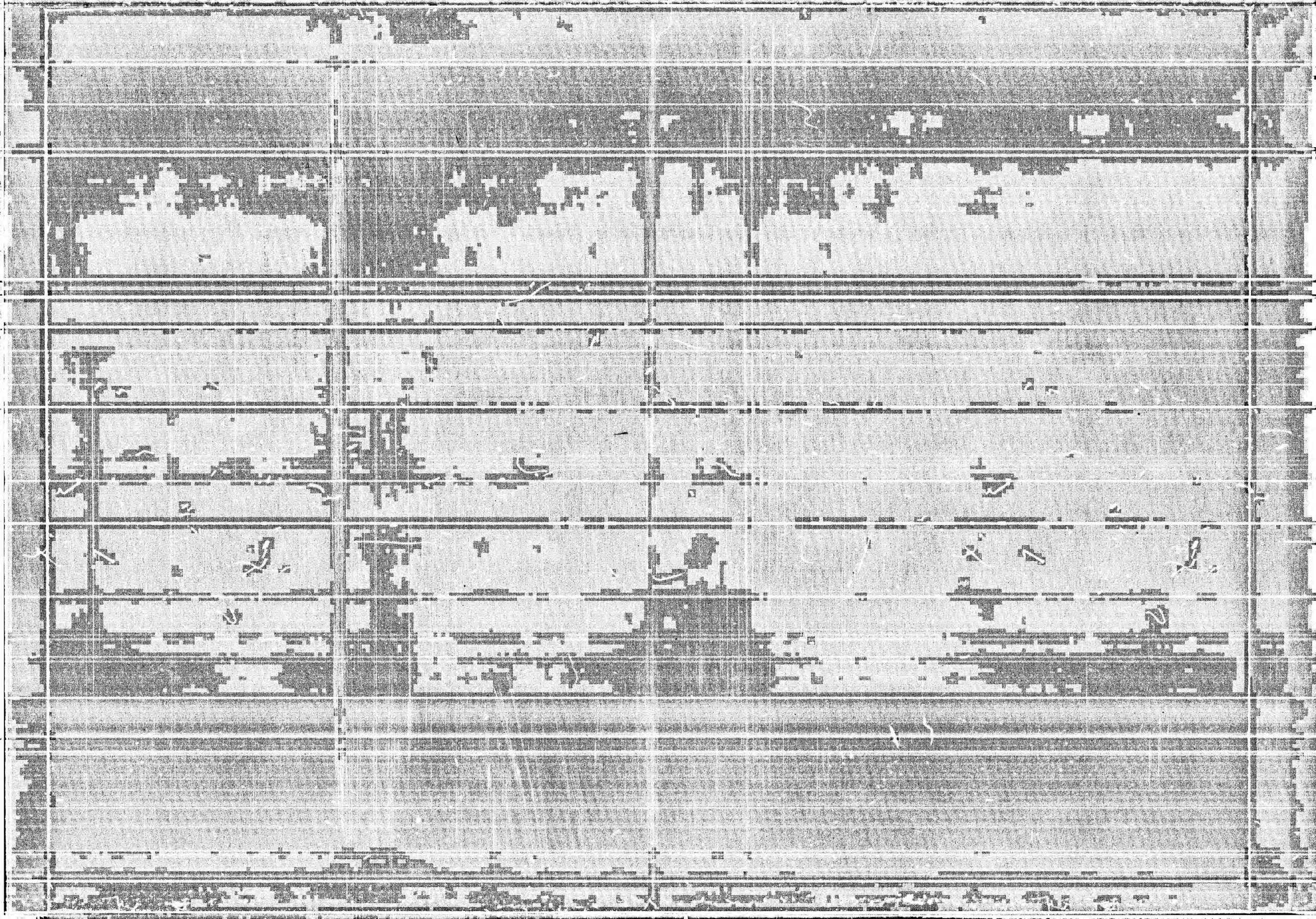
MULTIPLE CONNECTED ITEMS		
TERM NO.	REF DESIG	ITEM NO.
179	E68	35, 37
181	E69	36, 38
233	E70	36, 38
234	E71	36, 38
235	E72	36, 38
236	E73	36, 38
237	E74	36, 38
238	E75	36, 38
239	E78	36, 38
240	E76	36, 38
259	E77	35, 37
~~260~~	~~E83~~	~~36, 38~~
263	E87	35, 37
267	J46	34
268	J45	71
269	E67	35, 37
270	E88	36, 38
271	E61	35, 37
272	E82	35, 37
273	E66	36, 38
274	J44	32
275	J43	85

CODE IDENT NO	SIZE	
99974	A	1900712
SCALE NONE	REV LTR AC	SHEET 17 OF 150

MULTIPLE CONNECTED ITEMS		
TERM NO.	REF DESIG	ITEM NO.
276	E65	36, 38
277	E64	35, 37
278	E63	36, 38
279	J42	30
280	J41	20
290	J40	33
291	J39	29
292	E62	36, 38
293	J38	26
294	E60	36, 38
295	J37	21
296	E59	35, 37
297	E58	36, 38
298	J36	26
299	E57	36, 38
300	J35	25
301	J34	24
302	E56	36, 38
303	E94	36, 38
304	J33	20
305	E54	36, 38
306	E55	36, 38

MULTIPLE CONNECTED ITEMS		
TERM NO.	REF DESIG	ITEM NO.
307	J32	19
308	E52	36, 38
309	E53	35, 37
310	E81	36, 38
311	J31	27
312	E50	36, 38
313	E51	35, 37
314	J30	31

CODE IDENT NO	SIZE	
99974	A	1900712
SCALE NONE	REV LTR AB	SHEET 148 OF 150



PENNANT NOTE — GENERAL NOTES

1. SEE CONDUCTOR CHART, PENNANT NOTE 1.
2. SEE CONDUCTOR CHART, PENNANT NOTE 2.
3. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
4. MARK CONDUCTOR IDENTIFICATION PER ND1002019.
5. MARK CONDUCTOR IDENTIFICATION ON SINGLE CONDUCTORS PER ND1002019 OMITTING ALL SUFFIX LETTERS EXCEPT A AND B.
6. SPACING OF CONDUCTOR IDENTIFICATION SHALL BE EVERY 1.2 INCHES.
7. SPIRALLING OF THE MARKING IS ALLOWED.
8. MARK SLEEVING WITH REFERENCE DESIGNATION AS SHOWN .12 INCH HIGH, COLOR BLACK PER ND1002019.
9. MARK SLEEVING ON SHIELD TERMINATIONS OF MULTI-CONDUCTORS WITH THE CONDUCTOR NUMBER .12 INCH HIGH, COLOR BLACK, PER ND1002019
10. DELETED
11. LACE HARNESS USING ITEM #1
12. IDENTIFY USING DRAWING NO. AND REVISION LETTER .12 INCHES HIGH CHARACTERS, BLACK, PER ND1002019
13. SOLDER PER MIL-STD-440 USING ITEMS 82 AND 83.
14. Y OR N IN TINNED COLUMN INDICATES YES OR NO.
15. A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
16. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.

PENNANT NOTE — GENERAL NOTES

17. GRID MODULE IS 1 INCH.
18. UNLESS OTHERWISE SPECIFIED ---
    FEATURE CENTERLINES ARE LOCATED WITHIN + OR - .25 INCH.
    END OF HOOKUP WIRES OR ACCESSORIES ARE LOCATED WITHIN + OR - .12 INCH.
19. FASTEN MARKER SECURELY WITH ITEM #1. WRAP MARKER TO CONFORM TO CABLE CONFIGURATION.
20. THE SUFFIX LETTER OF A CONDUCTOR IDENTIFICATION NUMBER INDICATES CONDUCTOR SHIELDING, COLOR, OR MARKING.
    A - FROM END SHIELD
    B - TO END SHIELD
    L - WHITE WITH BLUE TRACER
    R - WHITE WITH RED TRACER
    Y - WHITE WITH YELLOW TRACER
21. IDENTIFY BY CONNECTOR NUMBER, P1, P2, P4, P6, P8, P9, P10, AND P11 AS REQUIRED. .12 INCHES HIGH, CHARACTERS BLACK

PENNANT NOTE — GENERAL NOTES

TOLERANCE CHART, UNLESS OTHERWISE SPECIFIED ---

APPLICABLE LENGTH FOR WIRE OR CABLE, STRIP WIRE, STRIP JACKET, CUT WIRE OR CUT SHIELD.	TOLERANCE STRIP WIRE	TOLERANCE STRIP JACKET	TOLERANCE CUT WIRE	TOLERANCE CUT SHIELD
UNDER 1 INCH	+.03-.00	+.06-.06	+.06-.06	+.06-.06
1 INCH TO 6 INCHES	+.06-.00	+.25-.25	+.25-.25	+.25-.25
6 INCHES TO 6 FEET		+.50-.50	+.50-.50	+.50-.50

PENNANT NOTE — LIST OF MATERIALS

NOTE	ITEM	QTY	PART NO **	DESCRIPTION
	1	1	1900712-001	WIRE ND1002181 TYPE 1 CLASS 1 24AWG WHT ~~[illegible]~~ FT TOTAL LENGTH 1345 FT 8 INCHES
	2	1	1900712-002	WIRE ND1002181 TYPE 1 CLASS 1 22AWG WHT ~~[illegible]~~ FT TOTAL LENGTH 3378 FT 2 INCHES
	3	1	1900712-003	WIRE ND1002181 TYPE 1 CLASS 1 20AWG WHT ~~[illegible]~~ TOTAL LENGTH 2681 FT 9 INCHES
	4	1	1900712-004	WIRE ND1002181 TYPE 1 CLASS 1 16AWG WHT 324 FT 7 INCHES TOTAL LENGTH
	5	1	1900712-005	WIRE ND1002181 TYPE 1 CLASS 1 14AWG WHT 112 FT TOTAL LENGTH
	6	1	1900712-006	WIRE ND1002181 TYPE 1 CLASS 1 12AWG WHT 242 FT 7 INCHES TOTAL LENGTH
	7	1	1900712-007	WIRE ND1002181 TYPE 1 CLASS 4 WHT JKT 24AWG WHT ~~[illegible]~~ TOTAL LENGTH 410 FT 9 INCHES
	8	1	1900712-008	WIRE ND1002181 TYPE 1 CLASS 4 WHT JKT 22AWG WHT ~~[illegible]~~ FT TOTAL LENGTH 46 FT
	9	1	1900712-009	WIRE ND1002181 TYPE 1 CLASS 4 WHT JKT 20AWG WHT ~~[illegible]~~ TOTAL LENGTH 67 FT 4 INCHES
	10	1	1900712-010	WIRE ND1002181 TYPE 2 CLASS 4 WHT JKT 24AWG (WHT-BLUE, WHT-RED) ~~[illegible]~~ TOTAL LENGTH 2156 FT 6 INCHES
	11	1	1900712-011	WIRE ND1002181 TYPE 2 CLASS 4 WHT JKT 22AWG (WHT-BLUE, WHT-RED) ~~[illegible]~~ TOTAL LENGTH 258 FT
	12	1	1900712-012	WIRE ND1002181 TYPE 2 CLASS 4 WHT JKT 20AWG (WHT-BLUE, WHT-RED) ~~[illegible]~~ TOTAL LENGTH 166 FT 6 INCHES

PENNANT LIST OF MATERIALS

NOTE	ITEM	QTY	PART NO 1	DESCRIPTION
	13			DELETED (1900712-013)
	14	1	1900712-014	WIRE ND1002181 TYPE 3 CLASS 4 WHT JKT 24AWG (WHT-BLUE, WHT-RED, WHT-YEL) ~~[illegible]~~ 227 FT TOTAL LENGTH
	15	1	1900712-015	WIRE ND1002181 TYPE 3 CLASS 4 WHT JKT 22AWG (WHT-BLUE, WHT-RED, WHT-YEL) ~~36 FT~~ 36 FT 6 INCHES TOTAL LENGTH
	16	1	1900712-016	WIRE ND1002181 TYPE 3 CLASS 4 WHT JKT 20AWG (WHT-BLUE, WHT-RED, WHT-YEL) 48 FT TOTAL LENGTH
	17	1	1900712-017	WIRE ND1002181 TYPE 1 CLASS 1 8AWG WHT 16 FT TOTAL LENGTH
	18	1	MS3127E22-55P	(1897053-550) CONNECTOR-RECEPTACLE, ELECTRICAL
	19	3	MS3127E24-61SX	(1897056-612) CONNECTOR-RECEPTACLE ELECTRICAL
	20	4	MS3127E24-61S	(1897056-610) CONNECTOR-RECEPTACLE, ELECTRICAL
	21	2	MS3127E24-61SY	(1897056-613) CONNECTOR-RECEPTACLE ELECTRICAL
	22	1	MS3102E28-10P	(1897108-100) CONNECTOR-RECEPTACLE, ELECTRICAL
	23	1	MS3127E22-55PX	(1897053-552) CONNECTOR-RECEPTACLE ELECTRICAL
	24	2	MS3127E22-55S	(1897054-550) CONNECTOR-RECEPTACLE, ELECTRICAL
	25	3	MS3127E24-61P	(1897055-610) CONNECTOR-RECEPTACLE, ELECTRICAL
	26	4	MS3127E24-61SW	(1897056-611) CONNECTOR-RECEPTACLE ELECTRICAL
	27	2	MS3127E24-61SZ	(1897056-614) CONNECTOR-RECEPTACLE ELECTRICAL
	28	1	MS3102A28-20S	(1896853-200) CONNECTOR-RECEPTACLE, ELECTRICAL

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE-NONE | REV LTR AH | SHEET 7 OF 153

PENNANT LIST OF MATERIALS

NOTE	ITEM	QTY	PART NO	DESCRIPTION
	29	2	MS3127E22-55SX	(1897054-212) CONNECTOR-RECEPTACLE ELECTRICAL
	30	2	MS3127E24-61PW	(1897055-611) CONNECTOR-RECEPTACLE ELECTRICAL
	31	1	MS3102A28-20SW	(1896853-201) CONNECTOR-RECEPTACLE ELECTRICAL
	32	1	MS3127E22-55SW	(1897054-591) CONNECTOR-RECEPTACLE ELECTRICAL
	33	1	MS3102A36-9S	(1896854-090) CONNECTOR-RECEPTACLE, ELECTRICAL
	34	1	MS3102A36-9SW	(1896854-091) CONNECTOR-RECEPTACLE, ELECTRICAL
16	35	25	1016006-002	SPLICE REDUCER
16	36	45	1016006-003	SPLICE REDUCER
16	37	25	1010490-258	INSULATION SLEEVING, ELECTRICAL, HEAT SHRINK
16	38	45	1010490-256	INSULATION SLEEVING, ELECTRICAL, HEAT SHRINK
16	39	18	1015902- 3	TERMINAL-LUG
16	40	45	1015902- 8	TERMINAL-LUG
16	41	38	1015902- 12	TERMINAL-LUG
16	42	222	1015966-001	TERMINAL-TIP, CONTACT
16	43	101	1015966-003	TERMINAL-TIP, CONTACT
	44			DELETED (1015902- 45)
16	45	12	1015902- 49	TERMINAL-LUG
16	46	61	1015864-225	INSULATION-SLEEVING, ELECTRICAL

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE-NONE | REV LTR AH | SHEET 8 OF 153

PENNANT LIST OF MATERIALS

NOTE	ITEM	QTY	PART NO	DESCRIPTION
16	47	116	1015864-227	INSULATION-SLEEVING, ELECTRICAL
16	48	157	1015864-169	INSULATION-SLEEVING, ELECTRICAL
16	49	268	1015864-167	INSULATION-SLEEVING, ELECTRICAL
16	50	299	1010490-196	INSULATION SLEEVING, ELECTRICAL, HEAT SHRINK
16	51	78	1010490-286	INSULATION SLEEVING, ELECTRICAL, HEAT SHRINK
16	52	355	1010490-198	INSULATION SLEEVING, ELECTRICAL, HEAT SHRINK
16	53	66	1010490-200	INSULATION SLEEVING, ELECTRICAL, HEAT SHRINK
16	54	52	1000243-003	FERRULE, ELECTRICAL CONDUCTOR
16	55	14	1000243-004	FERRULE, ELECTRICAL CONDUCTOR
16	56	268	1000243-008	FERRULE, ELECTRICAL CONDUCTOR
16	57	31	1000243-009	FERRULE, ELECTRICAL CONDUCTOR
	58			DELETED (1000243-011)
16	59	23	1000243-014	FERRULE, ELECTRICAL CONDUCTOR
16	60	3	1000243-015	FERRULE, ELECTRICAL CONDUCTOR
	61			DELETED (1000243-023)
	62			DELETED (1000242-002)
16	63	66	1000242-004	FERRULE, ELECTRICAL CONDUCTOR
16	64	268	1000242-007	FERRULE, ELECTRICAL CONDUCTOR

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE-NONE | REV LTR AH | SHEET 9 OF 153

PENNANT LIST OF MATERIALS

NOTE	ITEM	QTY	PART NO	DESCRIPTION
16	65	91	1000242-008	FERRULE, ELECTRICAL CONDUCTOR
16	66	2	1000242-011	FERRULE, ELECTRICAL CONDUCTOR
16	67	23	1000242-012	FERRULE, ELECTRICAL CONDUCTOR
16	68	3	1000242-016	FERRULE, ELECTRICAL CONDUCTOR
	69			DELETED (1000242-018)
16	70	2	1015864-187	INSULATION-SLEEVING, ELECTRICAL
16	71	2	MS3127E22-55PW	(1897053-551) CONNECTOR-RECEPTACLE ELECTRICAL
16	72	2	1016048- 15	TERMINAL-LUG
16	73	1	1016059-100	CONNECTOR
16	74	1	1016059-101	CONNECTOR
16	75	1	1016059-103	CONNECTOR
16	76	1	1016059-105	CONNECTOR
16	77	1	1016059-106	CONNECTOR
16	78	1	1016059-107	CONNECTOR
16	79	1	1016059-108	CONNECTOR
16	80	1	1016059-110	CONNECTOR
	81	AR	MIL-T-713	LACING TAPE TYPE P CLASS 2 BLACK (ES-2732 NO. 18)
	82	AR	QQ-S-571	SOLDER SN60 (ES-2175 ALLOY 1)

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE-NONE | REV LTR AH | SHEET 10 OF 153

LIST OF MATERIALS

PENNANT NOTE	ITEM	QTY	PART NO	DESCRIPTION
	83	AR	QQ-S-571	FLUX TYPE AR (ES-2175 TYPE 1 OR 2) OR MIL-F-14256 FLUX (ES-2798)
16	84	9	1016128-003	BAND-IDENTIFICATION BLANK
	85	1	MS3127E24-61PX	(1897055-612) CONNECTOR-RECEPTACLE ELECTRICAL
16	86	26	1000243-011	FERRULE, ELECTRICAL CONDUCTOR
16	87	24	1000242-010	FERRULE, ELECTRICAL CONDUCTOR
16	88	5	1016287-002	ADAPTER-WIRE, SOLDER POT, COPPER CRIMP STYLE
16	89	7	1015864-194	INSULATION-SLEEVING, ELECTRICAL
16	90	45	1015864-284	INSULATION-SLEEVING, ELECTRICAL
	91	AR	MIL-I-19126F	INSULATION-TAPE, ELECTRICAL, PRESSURE SENSITIVE THERMO SETTING ADHESIVE TYPE ACT .75 PLUS OR MINUS .03 WIDE (ES-2716 TYPE C)
16	92	4	1015864-220	INSULATION-SLEEVING, ELECTRICAL

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 11 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 3>	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	1> 2	3	TERMINATION SPEC 1> ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	1> 2	3	TERMINATION SPEC 1> ITEM NO.	NO.
A 1	1	J1-E*	22N			1	J35-C*	22N			300
A 2	1	J1-D*	22N			1	J41-B*	22N			280
A 3		DELETED									
A 3A		DELETED									
A 3L		DELETED									
A 3R		DELETED									
A 4		DELETED									
A 4A		DELETED									
A 4L		DELETED									
A 4R		DELETED									
A 5		DELETED									
A 5A		DELETED									
A 5L		DELETED									
A 5R		DELETED									
A 6	3	J1-S*	22N			1	TB12- 4	25Y			184
A 7	10		330	300 50 64 56 5				250	220 52	7A	
A 7A	2	SHLD A7	25N				E20-B	38N			22
A 7L		J1-U*	22N			1	K18- 2	31Y	46		176

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 12 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 3>	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	1> 2	3	TERMINATION SPEC 1> ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	1> 2	3	TERMINATION SPEC 1> ITEM NO.	NO.
A 7R		J1-T*	22N			1	K18- 6	31Y	46		176
A 8	3	J1-V*	22N			1	TB12- 2	25Y			183
A 9	3	J1-X*	22N			1	TB12- 8	25Y			186
A 10	10		180	150 50 64 56 5				250	220 52	7A	
A 10A	2	SHLD A10	25N				E20-B	38N			22
A 10L		J1-Z*	22N			1	K20- 9	31Y	47		178
A 10R		J1-Y*	22N			1	K20-13	31Y	47		178
A 11	1	J1-AA	22N			1	K20- 6	31Y	47		178
A 12	1	J1-BB	22N			1	K20- 2	31Y	47		178
A 13	8		230	200 52 63 55 5				200	170 53	7A	
A 13A	2	SHLD A13	25N				E20-B	38N			22
A 13W		J1-CC	22N			1	K28- 3	31Y	46		207
A 14	8		280	250 52 63 55 5				200	170 53	7A	
A 14A	2	SHLD A14	25N				E20-B	38N			22
A 14W		J1-DD	22N			1	K27- 3	31Y	46		206
A 15	3	J1-EE	22N			1	TB12-14	25Y			189
A 16	3	J1-FF	22N			1	TB12-12	25Y			188
A 17	1	J32-AA	22N			307	TB13-12B	19N	42		266

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 13 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 3>	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	1> 2	3	TERMINATION SPEC 1> ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	1> 2	3	TERMINATION SPEC 1> ITEM NO.	NO.
A 18		DELETED									
A 18A		DELETED									
A 18L		DELETED									
A 18R		DELETED									
A 18Y		DELETED									
A 19		DELETED									
A 19A		DELETED									
A 19L		DELETED									
A 19R		DELETED									
A 20		DELETED									
A 20A		DELETED									
A 20L		DELETED									
A 20R		DELETED									
A 21	10		180	150 50 64 56 5				250	220 52	7A	
A 21A	2	SHLD A21	25N				E21-B	38N			3
A 21L		J2-D	22N			5	TB13- 2F	19N	42		266
A 21R		J2-C	22N			5	TB13- 1F	19N	42		266
A 22		DELETED									

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 14 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. [2]	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC. [1] ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC. [1] ITEM NO.	NO.
A 22A		DELETED					
A 22L		DELETED					
A 22R		DELETED					
A 22Y		DELETED					
A 23	10		230 200 50 64 56 5			250 220 52 7A	
A 23A	2	SHLD A23	25N		E21-B	38N	3
A 23L		J2-B*	22N	5	K65- 3	31Y 48	255
A 23R		J2-A*	22N	5	K65- 6	31Y 48	255
A 24	10		280 250 50 64 56 5			250 220 52 7A	
A 24A	2	SHLD A24	25N		E21-B	38N	3
A 24L		J2-D*	22N	5	K65- 9	31Y 48	255
A 24R		J2-C*	22N	5	K65-12	31Y 48	255
A 25	10		330 300 50 64 56 5			250 220 52 7A	
A 25A	2	SHLD A25	25N		E21-B	38N	3
A 25L		J2-E*	22N	5	K66- 3	31Y 48	256
A 25R		J2-F*	22N	5	K66- 6	31Y 48	256
A 26	10		180 150 50 64 56 5			250 220 52 7A	
A 26A	2	SHLD A26	25N		E21-B	38N	3

[1] THE STD CONDUCTOR TERMINATION FIGURES ARE PER
[2] DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 15 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. [2]	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC. [1] ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC. [1] ITEM NO.	NO.
A 26L		J2-H*	22N	5	K66- 9	31Y 48	256
A 26R		J2-G*	22N	5	K66-12	31Y 48	256
A 27	1	U33-AA	22N	304	TB13-12C	19N 42	266
A 28	7		230 200 52 63 54 5			200 170 53 7A	
A 28A	2	SHLD A28	25N		E22-B	38N	2
A 28W		J2-N*	22N	5	U44-T*	22N	274
A 29	7		230 200 52 63 54 5			200 170 53 7A	
A 29A	2	SHLD A29	25N		E22-B	38N	2
A 29W		J2-P*	22N	5	U44-U*	22N	274
A 30	7		280 250 52 63 54 5			200 170 53 7A	
A 30A	2	SHLD A30	25N		E22-B	38N	2
A 30W		J2-Q*	22N	5	U43-Q*	22N	275
A 31	7		330 300 52 63 54 5			200 170 53 7A	
A 31A	2	SHLD A31	25N		E22-B	38N	2
A 31W		J2-R*	22N	5	U43-G*	22N	275
A 32	7		180 150 52 63 54 5			200 170 53 7A	
A 32A	2	SHLD A32	25N		E22-B	38N	2
A 32W		J2-S*	22N	5	U43-H*	22N	275

[1] THE STD CONDUCTOR TERMINATION FIGURES ARE PER
[2] DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 16 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. [2]	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC. [1] ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC. [1] ITEM NO.	NO.
A 33	7		230 200 52 63 54 5			200 170 53 7A	
A 33A	2	SHLD A33	25N		E22-B	38N	2
A 33W		J2-T*	22N	5	U44-H*	22N	274
A 34	3	J2-U*	22N	5	U43-W*	22N	275
A 35	7		280 250 52 63 54 5			200 170 53 7A	
A 35A	2	SHLD A35	25N		E22-B	38N	2
A 35W		J2-V*	22N	5	U43-M*	22N	275
A 36	7		330 300 52 63 54 5			200 170 53 7A	
A 36A	2	SHLD A36	25N		E23-B	38N	4
A 36W		J2-W*	22N	5	U43-N*	22N	275
A 37	7		180 150 52 63 54 5			200 170 53 7A	
A 37A	2	SHLD A37	25N		E23-B	38N	4
A 37W		J2-X*	22N	5	U43-P*	22N	275
A 38	7		230 200 52 63 54 5			200 170 53 7A	
A 38A	2	SHLD A38	25N		E23-B	38N	4
A 38W		J2-Y*	22N	5	U44-V*	22N	274
A 39	7		280 250 52 63 54 5			200 170 53 7A	
A 39A	2	SHLD A39	25N		E23-B	38N	4

[1] THE STD CONDUCTOR TERMINATION FIGURES ARE PER
[2] DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 17 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. [2]	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC. [1] ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC. [1] ITEM NO.	NO.
A 39W		J2-Z*	22N	5	U44-W*	22N	274
A 40	7		330 300 52 63 54 5			200 170 53 7A	
A 40A	2	SHLD A40	25N		E23-B	38N	4
A 40W		J2-AA	22N	5	U44-X*	22N	274
A 41	7		180 150 52 63 54 5			200 170 53 7A	
A 41A	2	SHLD A41	25N		E23-B	38N	4
A 41W		J2-BB	22N	5	U44-Y*	22N	274
A 42		DELETED					
A 43		DELETED					
A 44		DELETED					
A 44A		DELETED					
A 44L		DELETED					
A 44R		DELETED					
A 45	10		180 150 50 64 56 5			250 220 52 7A	
A 45A	2	SHLD A45	25N		E24-B	38N	6
A 45L		J3-A*	22N	8	K45-12	31Y 49	224
A 45R		J3-B*	22N	8	K45- 9	31Y 49	224
A 46	10		230 200 50 64 56 5			250 220 52 7A	

[1] THE STD CONDUCTOR TERMINATION FIGURES ARE PER
[2] DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 18 OF 153

THE STD CONDUCTOR TERMINATION FIGURES ARE PER
DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE-NONE | REV LTR AH | SHEET 21 OF 153

| CONDUCTOR INDIVIDUAL LENGTHS | | | FROM | | |

CONDUCTOR NUMBER	ITEM NO.		FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	ITEM NO.	TERMINATION SPEC	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	ITEM NO.	TERMINATION SPEC	NO.
A 65	10		330	300 50 64 56 5				250	220 52		7A	
A 65A	2		SHLD A65	25N				E26-B	38N			9
A 65L			J4-Z	22N			12	J22-R	22N			158
A 65R			J4-Y	22N			12	J22-P	22N			158
A 66	10		180	150 50 64 56 5				250	220 52		7A	
A 66A	2		SHLD A66	25N				E26-B	38N			9
A 66L			J4-C*	22N			12	J22-T	22N			158
A 66R			J4-B*	22N			12	J22-S	22N			158
A 67	1		J4-D*	22N			12	TB13- 6A	19N	42		266
A 68	1		J4-E*	22N			12	TB11- 1A	19N	42		37
A 69	1		J4-F*	22N			12	J45-J*	22N			268
A 70	12		230	200 90 67 59 5				250	220 51		7A	
A 70A	2		SHLD A70	25N				E26-B	38N			9
A 70L			J4-H*	22N			12	TB11- 5D	19N	43		37
A 70R			J4-G*	22N			12	TB11- 3D	19N	43		37
A 71	10		280	250 50 64 56 5				250	220 52		7A	
A 71A	2		SHLD A71	25N				E26-B	38N			9
A 71L			J4-K*	22N			12	TB11- 8A	19N	42		37

1/ THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2/ DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 23 OF 153

CONDUCTOR NUMBER	ITEM NO.		FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	ITEM NO.	TERMINATION SPEC	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	ITEM NO.	TERMINATION SPEC	NO.
A 71R			J4-J*	22N			12	TB11- 7A	19N	42		37
A 72	10		330	300 50 64 56 5				250	220 52		7A	
A 72A	2		SHLD A72	25N				E26-B	38N			9
A 72L			J4-N*	22N			12	TB11-14A	19N	42		37
A 72R			J4-M*	22N			12	TB11-13A	19N	42		37
A 73	10		180	150 50 64 56 5				250	220 52		7A	
A 73A	2		SHLD A73	25N				E27-B	38N			10
A 73L			J4-Q*	22N			12	TB11-10B	19N	42		37
A 73R			J4-P*	22N			12	TB11- 9B	19N	42		37
A 74	10		230	200 50 64 56 5					250	220 52	7A	
A 74A	2		SHLD A74	25N				E27-B	38N			10
A 74L			J4-S*	22N			12	TB11-12B	19N	42		37
A 74R			J4-R*	22N			12	TB11-11B	19N	42		37
A 75	10		280	250 50 64 56 5					250	220 52	7A	
A 75A	2		SHLD A75	25N				E27-B	38N			10
A 75L			J4-U*	22N			12	TB11-18B	19N	42		37
A 75R			J4-T*	22N			12	TB11-17B	19N	42		37
A 76	10		330	300 50 64 56 5					250	220 52	7A	

1/ THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2/ DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 24 OF 153

CONDUCTOR NUMBER	ITEM NO.		FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	ITEM NO.	TERMINATION SPEC	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	ITEM NO.	TERMINATION SPEC	NO.
A 76A	2		SHLD A76	25N				E27-B	38N			10
A 76L			J4-W*	22N			12	TB11-16B	19N	42		37
A 76R			J4-V*	22N			12	TB11-15B	19N	42		37
A 77	14		180	150 50 65 57 5				250	220 52		7A	
A 77A	2		SHLD A77	25N				E27-B	38N			10
A 77L			J4-Y*	22N			12	J43-Y*	22N			275
A 77R			J4-X*	22N			12	J43-X*	22N			275
A 77Y			J4-Z*	22N			12	J43-Z*	22N			275
A 78	14		230	200 50 65 57 5				250	220 52		7A	
A 78A	2		SHLD A78	25N				E27-B	38N			10
A 78L			J4-CC	22N			12	J43-GG	22N			275
A 78R			J4-BB	22N			12	J43-FF	22N			275
A 78Y			J4-DD	22N			12	J43-HH	22N			275
A 79	14		280	250 50 65 57 5				250	220 52		7A	
A 79A	2		SHLD A79	25N				E27-B	38N			10
A 79L			J4-EE	22N			12	J43-DD	22N			275
A 79R			J4-FF	22N			12	J43-CC	22N			275
A 79Y			J4-GG	22N			12	J43-EE	22N			275

1/ THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2/ DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 25 OF 153

CONDUCTOR NUMBER	ITEM NO.		FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	ITEM NO.	TERMINATION SPEC	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	ITEM NO.	TERMINATION SPEC	NO.
A 80	10		330	300 50 64 56 5				250	220 52		7A	
A 80A	2		SHLD A80	25N				E27-B	38N			10
A 80L			J4-KK	22N			12	J43-L	22N			275
A 80R			J4-JJ	22N			12	J43-K	22N			275
A 81	3		J5-L	22N			16	TB11-19A	19N	43		37
A 82	3		J5-M	22N			16	TB16- 3	19N	39		262
A 83	10		280	250 50 64 56 5					230	200 52	7A	
A 83A	2		SHLD A83	25N				E57-B	38N			299
A 83L			J35-K*	22N			300	TB17-14B	19N	42		261
A 83R			J35-J*	22N			300	TB17-13B	19N	42		261
A 84			DELETED									
A 84A			DELETED									
A 84Y			DELETED									
A 85	10		180	150 50 64 56 5					250	220 52	7A	
A 85A	2		SHLD A85	25N				E28-B	38N			14
A 85L			J5-D	22N			16	K38-13	31N	48		217
A 85R			J5-C	22N			16	K38-10	31N	89		217
A 86	10		230	200 50 64 56 5					250	220 52	7A	

1/ THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2/ DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 26 OF 153

GNW WIRING HARNESS A AH 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	T 3	4	5	TERMINATION SPEC (1)	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	T 3	4	5	TERMINATION SPEC (1)	ITEM NO.	NO.
A 86A	2	SHLD A86	25N							E28-B	38N						14
A 86L		J5-F	22N						16	TB13- 8A	19Y		42				266
A 86R		J5-E	22N						16	TB13- 7A	19Y		42				266
A 87	1	J5-J	22N						16	J22-Y	22N						158
A 89	10		330	300	50	64	56	5			250	220	52		7A		
A 89A	2	SHLD A89	25N							E28-B	38N						14
A 89L		J5-P	22N						16	J42-I*	22N						279
A 89R		J5-N	22N						16	J42-H*	22N						279
A 90	10		180	150	50	64	56	5			250	220	52		7A		
A 90A	2	SHLD A90	25N							E28-B	38N						14
A 90L		J5-S	22N						16	K38- 7	31Y		48				217
A 90R		J5-R	22N						16	K38- 4	31Y		89				217
A 91	10		230	200	50	64	56	5			250	220	52		7A		
A 91A	2	SHLD A91	25N							E28-B	38N						14
A 91L		J5-U	22N						16	TB6-12D	19N		42				38
A 91R		J5-T	22N						16	TB6-14D	19N		42				38
A 92	10		280	250	50	64	56	5			250	220	52		7A		
A 92A	2	SHLD A92	25N							E28-B	38N						14

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 27 OF 153

MIL 2049 - 4-63 W/B

GNW WIRING HARNESS A AH 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	T 3	4	5	TERMINATION SPEC (1)	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	T 3	4	5	TERMINATION SPEC (1)	ITEM NO.	NO.
A 92L		J5-W	22N						16	K54- 7	31Y		48				241
A 92R		J5-V	22N						16	K54- 4	31Y		48				241
A 93	10		330	300	50	64	56	5			250	220	52		7A		
A 93A	2	SHLD A93	25N							E28-B	38N						14
A 93L		J5-Y	22N						16	J42-K*	22N						279
A 93R		J5-X	22N						16	J42-J*	22N						279
A 94	10		180	150	50	64	56	5			250	220	52		7A		
A 94A	2	SHLD A94	25N							E28-B	38N						14
A 94L		J5-B*	22N						16	TB6-10D	19N		42				38
A 94R		J5-A*	22N						16	TB6- 9D	19N		42				38
A 95	10		230	200	50	64	56	5			250	220	52		7A		
A 95A	2	SHLD A95	25N							E28-B	38N						14
A 95L		J5-D*	22N						16	J22-A*	22N						158
A 95R		J5-C*	22N						16	J22-Z	22N						158
A 96	10		280	250	50	64	56	5			250	220	52		7A		
A 96A	2	SHLD A96	25N							E29-B	38N						15
A 96L		J5-F*	22N						16	J22-E	22N						158
A 96R		J5-E*	22N						16	J22-D	22N						158

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 28 OF 153

MIL 2049 - 4-63 W/B

GNW WIRING HARNESS A AH 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	T 3	4	5	TERMINATION SPEC (1)	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	T 3	4	5	TERMINATION SPEC (1)	ITEM NO.	NO.
A 97	10		330	300	50	64	56	5			250	220	52		7A		
A 97A	2	SHLD A97	25N							E29-B	38N						15
A 97L		J5-H*	22N						16	J22-G	22N						158
A 97R		J5-G*	22N						16	J22-F	22N						158
A 98	10		180	150	50	64	56	5			250	220	52		7A		
A 98A	2	SHLD A98	25N							E29-B	38N						15
A 98L		J5-K*	22N						16	J42-Z	22N						279
A 98R		J5-J*	22N						16	J42-Y	22N						279
A 99	10		230	200	50	64	56	5			250	220	52		7A		
A 99A	2	SHLD A99	25N							E29-B	38N						15
A 99L		J5-N*	22N						16	J42-G*	22N						279
A 99R		J5-M*	22N						16	J42-F*	22N						279
A 100	10		280	250	50	64	56	5			250	220	52		7A		
A 100A	2	SHLD A100	25N							E29-B	38N						15
A 100L		J5-Q*	22N						16	J42-N*	22N						279
A 100R		J5-P*	22N						16	J42-M*	22N						279
A 101	10		330	300	50	64	56	5			250	220	52		7A		
A 101A	2	SHLD A101	25N							E29-B	38N						15

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 29 OF 153

GNW WIRING HARNESS A AH 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	T 3	4	5	TERMINATION SPEC (1)	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	T 3	4	5	TERMINATION SPEC (1)	ITEM NO.	NO.
A 101L		J5-S*	22N						16	J42-Q*	22N						279
A 101R		J5-R*	22N						16	J42-P*	22N						279
A 102	10		180	150	50	64	56	5			250	220	52		7A		
A 102A	2	SHLD A102	25N							E29-B	38N						15
A 102L		J5-V*	22N						16	TB17- 6A	19N		42				261
A 102R		J5-U*	22N						16	TB17- 5A	19N		42				261
A 103	10		230	200	50	64	56	5			250	220	52		7A		
A 103A	2	SHLD A103	25N							E29-B	38N						15
A 103L		J5-X*	22N						16	TB11-14B	19N		42				37
A 103R		J5-W*	22N						16	TB11-13B	19N		42				37
A 104	10		280	250	50	64	56	5			250	220	52		7A		
A 104A	2	SHLD A104	25N							E30-B	38N						13
A 104L		J5-Z*	22N						16	TB11- 7B	19N		42				37
A 104R		J5-Y*	22N						16	TB11- 8B	19N		42				37
A 105	10		330	300	50	64	56	5			250	220	52		7A		
A 105A	2	SHLD A105	25N							E30-B	38N						13
A 105L		J5-BB	22N						16	TB17- 4C	19N		42				261
A 105R		J5-AA	22N						16	TB17- 3C	19N		42				261

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 30 OF 153

MIL 2049 - 4-63 W/B

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	2	1	3	4	5	TERMINATION SPEC 1	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	2	1	3	4	5	TERMINATION SPEC 1	ITEM NO.	NO.
A 106	10			180	150	50	64	56	5					250	220	52				7A		
A 106A	2		SHLD A106	25N									E30-B	38N								13
A 106L			J5-DD	22N								16	K48-10	31Y		48						227
A 106R			J5-CC	22N								16	K48- 7	31Y		48						227
A 107	10			230	200	50	64	56	5					250	220	52				7A		
A 107A	2		SHLD A107	25N									E30-B	38N								13
A 107L			J5-FF	22N								16	K48-16	31Y		48						227
A 107R			J5-EE	22N								16	K48-13	31Y		48						227
A 108	10			280	250	50	64	56	5					250	220	52				7A		
A 108A	2		SHLD A108	25N									E30-B	38N								13
A 108L			J5-HH	22N								16	TB17- 2C	19N		42						261
A 108R			J5-GG	22N								16	TB17- 1C	19N		42						261
A 109	10			330	300	50	64	56	5					250	220	52				7A		
A 109A	2		SHLD A109	25N									E30-B	38N								13
A 109L			J5-JJ	22N								16	K59-19	31Y		48						249
A 109R			J5-KK	22N								16	K59-16	31Y		48						249
A 110	10			180	150	50	64	56	5					250	220	52				7A		
A 110A	2		SHLD A110	25N									E30-B	38N								13

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 31 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	2	1	3	4	5	TERMINATION SPEC 1	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	2	1	3	4	5	TERMINATION SPEC 1	ITEM NO.	NO.
A 110L			J5-MM	22N								16	K59-10	31Y		48						249
A 110R			J5-LL	22N								16	K59-13	31Y		48						249
A 111	10			230	200	50	64	56	5					250	220	52				7A		
A 111A	2		SHLD A111	25N									E30-B	38N								13
A 111L			J5-PP	22N								16	K54-13	31Y		48						241
A 111R			J5-NN	22N								16	K54-10	31Y		48						241
A 112	3		J6-A	28Y		46						17	E20-B	38N								22
A 113	17		J6-C	41Y		70						17	TB5- 9	41N		72						56
A 114	17		J6-D	41Y		70						17	TB8-10	41N		72						34
A 115	4		J6-G	41Y		46						17	TB8- 7	19N		40						34
A 116	4		J6-F	41Y		46						17	TB5-10	19N		40						53
A 117			DELETED																			
A 118			DELETED																			
A 119			DELETED																			
A 120			DELETED																			
A 121			DELETED																			
A 122			DELETED																			
A 123			DELETED																			

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 32 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	2	1	3	4	5	TERMINATION SPEC 1	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	2	1	3	4	5	TERMINATION SPEC 1	ITEM NO.	NO.
A 124			DELETED																			
A 125	3		J7-X	22N								20	E1	31N		45						174
A 126	3		J7-Y	22N								20	E1	31N		45						174
A 127	3		J7-Z	22N								20	E1	31N		45						174
A 128	3		J7-C*	22N								20	TB5- 7	19N		39						58
A 129	3		J7-D*	22N								20	TB8- 5	19N		39						34
A 130	3		J7-E*	22N								20	TB5- 1	19N		39						67
A 131	3		J7-F*	22N								20	TB2- 1	19N		39						101
A 132	3		J7-G*	22N								20	TB4- 1	19N		39						89
A 133	3		J7-H*	22N								20	TB4- 9	19N		39						81
A 134	3		J7-I*	22N								20	TB2- 6	19N		39						95
A 135	3		J7-J*	22N								20	TB5- 6	19N		39						60
A 136	3		J7-K*	22N								20	TB13- 3A	19N		43						266
A 137	1		J7-R*	22N								20	K5- 6	31Y		47						48
A 138	1		J7-S*	22N								20	K5- 4	31Y		46						48
A 139	12			180	150	90	67	59	5					250	220	51				7A		
A 139A	2		SHLD A139	25N									E20-B	38N								22
A 139L			J7-U*	22N								20	TB17-10A	19N		43						261

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 33 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	2	1	3	4	5	TERMINATION SPEC 1	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	2	1	3	4	5	TERMINATION SPEC 1	ITEM NO.	NO.
A 139R			J7-T*	22N								20	TB17- 9A	19N		43						261
A 140	1		J7-V*	22N								20	K4- 6	31Y		47						49
A 141	1		J7-W*	22N								20	K4- 4	31Y		46						49
A 142	3		J7-X*	22N								20	K6- 1	31Y		47						47
A 143	3		J7-Y*	22N								20	K1-X 1	19N		45						41
A 144	3		J7-Z*	22N								20	K1-X 2	19N		45						41
A 145	3		J7-AA	22N								20	XF19- 1	31Y								136
A 146	3		J7-BB	22N								20	TB7-16E	19N		43						33
A 147	1		J7-CC	22N								20	K3- 6	31Y		47						50
A 148	1		J7-DD	22N								20	K3- 4	31Y		47						50
A 149	3		J7-EE	22N								20	K2-11	19N		45						52
A 150	3		J7-FF	22N								20	K2-X 1	19N		45						51
A 151	3		J7-GG	22N								20	TB3- 6	19N		39						72
A 152	3		J7-HH	22N								20	TB3- 1	19N		39						79
A 153	3		J8-T	22N								25	J39-M*	22N								291
A 154	1		J8-U	22N								25	J27-LL	22N								168
A 155	1		J8-V	22N								25	J27-Z*	22N								168
A 156	3		J8-W	22N								25	J27-FF	22N								168

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 34 OF 153

CONDUCTOR NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.
A 158	1	J8-Y	22N		25	J27-HH	22N		168
A 159	1	J8-Z	22N		25	J27-JJ	22N		168
A 160	1	J8-A*	22N		25	P11-C*	31Y		113
A 161	1	J8-B*	22N		25	P10-A	31Y		112
A 162	1	J8-C*	22N		25	P10-B	31Y		112
A 163	1	J8-D*	22N		25	P10-C	31Y		112
A 164	1	J8-E*	22N		25	P10-D	31Y		112
A 165	1	J8-F*	22N		25	P10-E	31Y		112
A 166	1	J8-G*	22N		25	P10-F	31Y		112
A 167	1	J8-H*	22N		25	P10-G	31Y		112
A 168	1	J8-J*	22N		25	P10-H	31Y		112
A 169	1	J8-K*	22N		25	P10-J	31Y		112
A 170	1	J8-M*	22N		25	P8-K	31Y		115
A 171	1	J8-N*	22N		25	P8-W	31Y		115
A 172	1	J8-P*	22N		25	P9-D	31Y		116
A 173	1	J8-Q*	22N		25	P9-P	31Y		116
A 174	1	J8-R*	22N		25	P9-A*	31Y		116
A 175	1	J8-U*	22N		25	K7- 5	31Y	49	46

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 35 OF 153

CONDUCTOR NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.
A 176	1	J8-V*	22N		25	K7- 3	31Y	49	46
A 177	1	J8-X*	22N		25	J34-N*	22N		301
A 178	1	J8-Y*	22N		25	J34-P*	22N		301
A 179	1	J8-Z*	22N		25	J34-R*	22N		301
A 180	1	J8-AA	22N		25	J34-V*	22N		301
A 181	3	J8-BB	22N		25	J34-K	22N		301
A 182	1	J8-CC	22N		25	J34-HH	22N		301
A 183	1	J8-DD	22N		25	J39-A*	22N		291
A 184	7		180	150 52 63 54 5			200	170 53	7A
A 184A	2	SHLD A184	25N			E91-B	38N		21
A 184W		J8-EE	22N		25	J39-D*	22N		291
A 185	3	J8-FF	22N		25	J39-R*	22N		291
A 186	1	J8-GG	22N		25	J39-U*	22N		291
A 187	7		230	200 52 63 54 5			200	170 53	7A
A 187A	2	SHLD A187	25N			E91-B	38N		21
A 187W		J8-HH	22N		25	J39-X*	22N		291
A 188	1	J8-J	22N		25	J39-Y*	22N		291
A 189	1	J8-K	22N		25	J39-Z*	22N		291

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 36 OF 153

CONDUCTOR NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.
A 190	7		280	250 52 63 54 5			200	170 53	7A
A 190A	2	SHLD A190	25N			E91-B	38N		21
A 190W		J8-L	22N		25	J39-AA	22N		291
A 191	7		330	300 52 63 54 5			200	170 53	7A
A 191A	2	SHLD A191	25N			E91-B	38N		21
A 191W		J8-M	22N		25	J45-FF	22N		268
A 192	1	J8-N	22N		25	J39-FF	22N		291
A 193	3	J9-Y	22N		26	K65- 1	31Y	49	255
A 194	1	J9-Z	22N		26	J27-X*	22N		168
A 195	3	J9-A*	22N		26	K23- 9	31Y	49	203
A 196	3	J9-B*	22N		26	K23- 1	31Y	49	203
A 197	3	J9-C*	22N		26	K24- 1	31Y	49	204
A 198	3	J9-D*	22N		26	K24- 6	31Y	49	204
A 199	3	J9-E*	22N		26	K39- 6	31Y	49	218
A 200	3	J9-F*	22N		26	K39- 1	31Y	49	218
A 201	3	J9-G*	22N		26	K22- 9	31Y	49	202
A 202	3	J9-H*	22N		26	K22- 1	31Y	49	202
A 203	3	J9-J*	22N		26	K55- 1	31Y	49	242

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 37 OF 153

CONDUCTOR NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.
A 204	3	J9-K*	22N		26	K40- 1	31Y	49	219
A 205	3	J9-M*	22N		26	K41- 1	31Y	49	220
A 206	3	J9-N*	22N		26	K56- 1	31Y	49	243
A 207	3	J9-P*	22N		26	K57- 1	31Y	49	247
A 208	3	J9-Q*	22N		26	K42- 1	31Y	49	221
A 209	3	J9-R*	22N		26	K44- 3	31Y	49	223
A 210	3	J9-S*	22N		26	K44- 1	31Y	49	223
A 211	3	J9-T*	22N		26	K61- 1	31Y	49	251
A 212	3	J9-U*	22N		26	K46- 1	31Y	49	225
A 213	3	J9-V*	22N		26	K48- 3	31Y	49	227
A 214	3	J9-W*	22N		26	K48- 1	31Y	49	227
A 215	3	J9-X*	22N		26	K50- 1	31Y	49	229
A 216	3	J9-Y*	22N		26	K52- 3	31Y	49	231
A 217	3	J9-Z*	22N		26	K52- 1	31Y	49	231
A 218		DELETED							
A 219		DELETED							
A 220	3	J9-CC	22N		26	J22-W*	22N		198
A 221		DELETED							

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 38 OF 153

CONDUCTOR NUMBER	ITEM NO. (1)	INDIVIDUAL LENGTH (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T (3)	W (3)	TERMINATION SPEC. (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T (3)	W (3)	TERMINATION SPEC. (1) ITEM NO.	NO.
A 222			DELETED									
A 223	3		J9-FF	22N			26	TB12-38	25Y			199
A 224	3		J9-GG	22N			26	TB12-37	25Y			198
A 225	1		J9-HH	22N			26	TB1- 2	25Y			110
A 226	1		J9-JJ	22N			26	K7- 8	31Y		49	46
A 227	3		J9-KK	22N			26	K54- 1	31Y		49	241
A 228	1		J9-LL	22N			26	J27-W	22N			168
A 229	3		J9-MM	22N			26	J27-U*	22N			168
A 231	1		J9-PP	22N			26	J27-W*	22N			168
A 232	11			180	150	51 87 86 5			250	220	51	7A
A 232A	2		SHLD A232	25N				E32-B	38N			27
A 232L			J10-D	22N			29	K42- 8	31Y		48	221
A 232R			J10-C	22N			29	K42-11	31Y		48	221
A 233	11			230	200	51 87 86 5			250	220	51	7A
A 233A	2		SHLD A233	25N				E32-B	38N			27
A 233L			J10-F	22N			29	K46- 8	31Y		48	225
A 233R			J10-E	22N			29	K46-11	31Y		48	225
A 234	11			280	250	51 87 86 5			250	220	51	7A

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 39 OF 153

CONDUCTOR NUMBER	ITEM NO. (1)	INDIVIDUAL LENGTH (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T (3)	W (3)	TERMINATION SPEC. (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T (3)	W (3)	TERMINATION SPEC. (1) ITEM NO.	NO.
A 234A	2		SHLD A234	25N				E32-B	38N			27
A 234L			J10-H	22N			29	K50- 8	31Y		48	229
A 234R			J10-G	22N			29	K50-11	31Y		48	229
A 235			DELETED									
A 235A			DELETED									
A 235L			DELETED									
A 235R			DELETED									
A 236	10			180	150	50 64 56 5			250	220	52	7A
A 236A	2		SHLD A236	25N				E32-B	38N			27
A 236L			J10-U	22N			29	K51-14	31Y		48	230
A 236R			J10-T	22N			29	K51-17	31Y		48	230
A 237	10			230	200	50 64 56 5			250	220	52	7A
A 237A	2		SHLD A237	25N				E32-B	38N			27
A 237L			J10-W	22N			29	K46-14	31Y		48	225
A 237R			J10-V	22N			29	K46-17	31Y		48	225
A 238	10			280	250	50 64 56 5			250	220	52	7A
A 238A	2		SHLD A238	25N				E32-B	38N			27
A 238L			J10-Y	22N			29	K42-14	31Y		48	221

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 40 OF 153

CONDUCTOR NUMBER	ITEM NO. (1)	INDIVIDUAL LENGTH (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T (3)	W (3)	TERMINATION SPEC. (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T (3)	W (3)	TERMINATION SPEC. (1) ITEM NO.	NO.
A 238R			J10-X	22N			29	K42-17	31Y		48	221
A 239	10			250	220	50 64 56 5			250	220	52	7A
A 239A	2		SHLD A239	25N				E32-B	38N			27
A 239L			J10-N*	22N			29	K68-10	31Y		48	258
A 239R			J10-M*	22N			29	K68-13	31Y		48	258
A 240	10			330	300	50 64 56 5			250	220	52	7A
A 240A	2		SHLD A240	25N				E32-B	38N			27
A 240L			J10-Q*	22N			29	K64-13	31Y		48	254
A 240R			J10-P*	22N			29	K64-10	31Y		48	254
A 241	10			180	150	50 64 56 5			250	220	52	7A
A 241A	2		SHLD A241	25N				E33-B	38N			28
A 241L			J10-S*	22N			29	K45-10	31Y		48	224
A 241P			J10-R*	22N			29	K45-13	31Y		48	224
A 242	10			230	200	50 64 56 5			250	220	52	7A
A 242A	2		SHLD A242	25N				E33-B	38N			28
A 242L			J10-U*	22N			29	K67- 4	31Y		48	257
A 242R			J10-T*	22N			29	K67- 7	31Y		48	257
A 243	10			280	250	50 64 56 5			250	220	52	7A

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 41 OF 153

CONDUCTOR NUMBER	ITEM NO. (1)	INDIVIDUAL LENGTH (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T (3)	W (3)	TERMINATION SPEC. (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T (3)	W (3)	TERMINATION SPEC. (1) ITEM NO.	NO.
A 243A	2		SHLD A243	25N				E33-B	38N			28
A 243L			J10-BB	22N			29	K63- 4	31Y		48	253
A 243R			J10-AA	22N			29	K63- 7	31Y		48	253
A 244	10			330	300	50 64 56 5			250	220	52	7A
A 244A	2		SHLD A244	25N				E33-B	38N			28
A 244L			J10-DD	22N			29	K45- 7	31Y		48	224
A 244R			J10-CC	22N			29	K45- 4	31Y		48	224
A 248	12			330	300	90 67 59 5			250	220	51	7A
A 248A	2		SHLD A248	25N				E33-B	38N			28
A 248L			J10-PP	22N			29	K21- 3	31Y		92	180
A 248R			J10-NN	22N			29	K21- 5	31Y		92	180
A 249	8			180	150	52 63 55 5			200	170	53	7A
A 249A	2		SHLD A249	25N				E34-B	38N			31
A 249W			J11-F	22N			32	J25-P*	22N			154
A 250			DELETED									
A 251	7			180	150	52 63 54 5			200	170	53	7A
A 251A	2		SHLD A251	25N				E34-B	38N			31
A 251W			J11-H	22N			32	J39-GG	22N			291

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 42 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (3)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	TERMINATION SPEC (1) ITEM NO.	NO.
A 252	1	U11-J	22N			32	E92-B	38N			148
A 255	12		230	200 90 67 59 5				250	220 51	7A	
A 255A	2	SHLD A255	25N				E34-B	38N			31
A 255L		U11-P	22N			32	TB7-10C	19N	43		33
A 255R		U11-N	22N			32	TB7- 9C	19N	43		33
A 256	10		280	250 50 64 56 5				250	220 52	7A	
A 256A	2	SHLD A256	25N				E34-B	38N			31
A 256L		U11-S	22N			32	J41-G	22N			280
A 256R		U11-R	22N			32	J41-F	22N			280
A 257	10		330	300 50 64 56 5				250	220 52	7A	
A 257A	2	SHLD A257	25N				E34-R	38N			31
A 257L		U11-U	22N			32	J41-E	22N			280
A 257R		U11-T	22N			32	J41-D	22N			280
A 258	10		180	150 50 64 56 5				250	220 52	7A	
A 258A	2	SHLD A258	25N				E34-B	38N			31
A 258L		U11-W	22N			32	J41-C	22N			280
A 258R		U11-V	22N			32	J41-B	22N			280
A 259	10		230	200 50 64 56 5				250	220 52	7A	

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 43 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (3)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	TERMINATION SPEC (1) ITEM NO.	NO.
A 259A	2	SHLD A259	25N				E34-B	38N			31
A 259L		U11-Y	22N			32	J27-G*	22N			168
A 259R		U11-X	22N			32	J27-F*	22N			168
A 260	10		280	250 50 64 56 5				250	220 52	7A	
A 260A	2	SHLD A260	25N				E34-B	38N			31
A 260L		U11-B*	22N			32	J27-I*	22N			168
A 26 R		U11-A*	22N			32	J27-H*	22N			168
A 261	3	J5-K	22N			16	TB16- 1	19N	39		262
A 262	1	J8-S	22N			25	J34-DD	22N			301
A 263		DELETED									
A 264	3	J24-E	22N			173	TB13-14F	19N	43		266
A 265	1	J25-K*	22N			154	TB13-10D	19N	42		266
A 266	1	J37-CC	22N			295	TB13-14A	19N	42		266
A 267	6	J21-H	41Y		46	149	TB4-10	31N	41		80
A 268	12		280	250 90 67 59 5				250	220 51	7A	
A 268A	2	SHLD A268	25N				E36-B	38N			155
A 268L		J21-R	25Y			149	TB17-10D	19N	43		261
A 268R		J21-M	25Y			149	TB17- 9D	19N	43		261

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 44 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (3)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	TERMINATION SPEC (1) ITEM NO.	NO.
A 269	6	J21-P	41Y		46	149	TB4- 2	31N	41		87
A 270	10		280	250 50 64 56 5				280	250 52	7A	
A 270A	2	SHLD A270	25N				E93-B	38N			172
A 270L		J24-KK	22N			173	TB13-20C	19N	42		266
A 270R		J24-JJ	22N			173	TB13-19C	19N	42		266
A 271	1	J31-K*	22N			311	TB17-13C	19N	42		261
A 272	7		230	200 52 63 54 5				230	200 53	7A	
A 272A	2	SHLD A272	25N				E94-B	38N			303
A 272W		J34-A	22N			301	XF17- 1	31Y			130
A 273	7		230	200 52 63 54 5				200	170 53	7A	
A 273A	2	SHLD A273	25N				E94-B	38N			303
A 273W		J34-E	22N			301	XF18- 1	31Y			129
A 274	3	J34-G	22N			301	E87-B	38N			263
A 275	3	J34-J	22N			301	E87-B	38N			263
A 276		DELETED									
A 277	16		280	250 90 68 60 5				280	250 51	7A	
A 277A	2	SHLD A277	25N				E57-B	38N			299
A 277L		J35-J	22N			300	TR6-10B	19N	43		38

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 45 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (3)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	TERMINATION SPEC (1) ITEM NO.	NO.
A 277R		J35-K	22N			300	TB6-11B	19N	43		38
A 277Y		J35-H	22N			300	TB6- 9B	19N	43		38
A 278	14		280	250 50 65 57 5				250	220 52	7A	
A 278A	2	SHLD A278	25N				E57-B	38N			299
A 278L		J35-T	22N			300	TB6-13B	19N	42		38
A 278R		J35-R	22N			300	TB6-14B	19N	42		38
A 278Y		J35-S	22N			300	TB6-12B	19N	42		38
A 279	1	J11-I*	22N			32	J25-J	22N			154
A 280	10		330	300 50 64 56 5				250	220 52	7A	
A 280A	2	SHLD A280	25N				E34-B	38N			31
A 280L		J11-D*	22N			32	J27-N*	22N			168
A 280R		J11-C*	22N			32	J27-M*	22N			168
A 281	14		180	150 50 65 57 5				250	220 52	7A	
A 281A	2	SHLD A281	25N				E34-B	38N			31
A 281L		J11-G*	22N			32	J25-S	22N			154
A 281R		J11-E*	22N			32	J25-P	22N			154
A 281Y		J11-F*	22N			32	J25-R	22N			154
A 282	3	J11-H*	22N			32	J25-CC	22N			154

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 46 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	3	T 4	5	TERMINATION SPEC. 1 ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	3	T 4	5	TERMINATION SPEC. 1 ITEM NO.	NO.
A 283	1		J11-K*	22N				32	J25-H	22N				154
A 284	1		J11-M*	22N				32	J25-FF	22N				154
A 285	1		J11-N*	22N				32	J25-GG	22N				154
A 286	3		J11-P*	22N				32	J25-S*	22N				154
A 287	3		J11-Q*	22N				32	J25-T*	22N				154
A 288	3		J11-R*	22N				32	TB12-19	25Y				191C
A 289	3		J11-S*	22N				32	TB13-12E	19N		43		266
A 290	3		J11-T*	22N				32	E92-B	38N				148
A 291	10			230	200	50 64 56 5				250	220	52	7A	
A 291A	2		SHLD A291	25N					E35-B	38N				30
A 291L			J11-V*	22N				32	J25-V*	22N				154
A 291R			J11-U*	22N				32	J25-U*	22N				154
A 292	10			280	250	50 64 56 5				250	220	52	7A	
A 292A	2		SHLD A292	25N					E35-B	38N				30
A 292L			J11-X*	22N				32	J25-X*	22N				154
A 292R			J11-W*	22N				32	J25-W*	22N				154
A 293	10			330	300	50 64 56 5				250	220	52	7A	
A 293A	2		SHLD A293	25N					E35-B	38N				30

△1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
△2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 47 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	3	T 4	5	TERMINATION SPEC. 1 ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	3	T 4	5	TERMINATION SPEC. 1 ITEM NO.	NO.
A 293L			J11-Z*	22N				32	J25-Z*	22N				154
A 293R			J11-Y*	22N				32	J25-Y*	22N				154
A 294	3		J11-AA	22N				32	TB12-17	25Y				191A
A 295	3		J11-BB	22N				32	TB14- 6	19N		39		265
A 296	10			180	150	50 64 56 5				250	220	52	7A	
A 296A	2		SHLD A296	25N					E35-B	38N				30
A 296L			J11-DD	22N				32	J25-H*	22N				154
A 296R			J11-CC	22N				32	J25-G*	22N				154
A 297	1		J11-LL	22N				32	J25-AA	22N				154
A 298	1		J11-MM	22N				32	J25-BB	22N				154
A 299	1		J11-NN	22N				32	J25-DD	22N				154
A 300	1		J11-PP	22N				32	J25-EE	22N				154
A 301	6		J21-A	41Y		46		149	TB2- 9	31N		41		91
A 302	6		J21-B	41Y		46		149	TB2-10	31N		41		90
A 303	6		J21-C	41Y		46		149	TB2- 3	31N		41		98
A 304	6		J21-D	41Y		46		149	TB2- 2	31N		41		99
A 305	6		J21-E	41Y		46		149	TB16- 2	31N		41		262
A 306	6		J21-F	41Y		46		149	TB16- 4	31N		41		262

△1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
△2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 48 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	3	T 4	5	TERMINATION SPEC. 1 ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	3	T 4	5	TERMINATION SPEC. 1 ITEM NO.	NO.
A 307	6		J21-G	41Y		46		149	TB15- 1	31N		41		264
A 308	4		J21-K	28Y		47		149	TB5- 4	19N		40		63
A 309	4		J21-L	28Y		47		149	TB5- 3	19N		40		64
A 310	3		J22-B	22N				158	E37-B	38N				156
A 311	10			180	150	50 64 56 5				250	220	52	7A	
A 311A	2		SHLD A311	25N					E37-B	38N				156
A 311L			J22-K	22N				158	K67-10	31Y		48		257
A 311R			J22-H	22N				158	K67-13	31Y		48		257
A 312	1		J22-J	22N				158	TB11- 7F	19N		42		37
A 313	10			230	200	50 64 56 5				250	220	52	7A	
A 313A	2		SHLD A313	25N					E36-B	38N				155
A 313L			J22-C*	22N				158	K44-10	31Y		48		223
A 313R			J22-B*	22N				158	K44- 7	31Y		48		223
A 314	10			280	250	50 64 56 5				250	220	52	7A	
A 314A	2		SHLD A314	25N					E36-B	38N				155
A 314L			J22-E*	22N				158	K44-16	31Y		48		233
A 314R			J22-D*	22N				158	K44-13	31Y		48		233
A 315	10			330	300	50 64 56 5				250	220	52	7A	

△1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
△2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 49 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	3	T 4	5	TERMINATION SPEC. 1 ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	3	T 4	5	TERMINATION SPEC. 1 ITEM NO.	NO.
A 315A	2		SHLD A315	25N					E36-B	38N				155
A 315L			J22-G*	22N				158	K59- 4	31Y		48		249
A 315R			J22-F*	22N				158	K59- 7	31Y		48		249
A 316	10			180	150	50 64 56 5				250	220	52	7A	
A 316A	2		SHLD A316	25N					E36-B	38N				155
A 316L			J22-I*	22N				158	K60-10	31Y		48		250
A 316R			J22-H*	22N				158	K60-13	31Y		48		250
A 317	14			230	200	50 65 57 5				250	220	52	7A	
A 317A	2		SHLD A317	25N					E37-B	38N				156
A 317L			J22-M*	22N				158	K43- 4	31Y		49		222
A 317R			J22-J*	22N				158	K43-10	31Y		49		222
A 317Y			J22-K*	22N				158	K43- 7	31Y		48		222
A 318	10			280	250	50 64 56 5				250	220	52	7A	
A 318A	2		SHLD A318	25N					E37-B	38N				156
A 318L			J22-P*	22N				158	K63-16	31Y		48		253
A 318R			J22-N*	22N				158	K63-19	31Y		48		253
A 319	10			330	300	50 64 56 5				250	220	52	7A	
A 319A	2		SHLD A319	25N					E37-B	38N				156

△1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
△2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 50 OF 153

GNW WIRING HARNESS A AH 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	1	3	TERMINATION SPEC	1	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	1	3	TERMINATION SPEC	1	ITEM NO.	NO.
A 319L			J22-R*		22N					158	K63-10		31Y		48			253
A 319R			J22-Q*		22N					158	K63-13		31Y		48			253
A 320	10				180	150	50 64 56 5						250	220	52		7A	
A 320A	2		SHLD A320		25N						E37-B		38N					156
A 320L			J22-T*		22N					158	K49- 7		31Y		48			228
A 320R			J22-S*		22N					158	K49- 4		31Y		48			228
A 321	10				230	200	50 64 56 5						250	220	52		7A	
A 321A	2		SHLD A321		25N						E37-B		38N					156
A 321L			J22-V*		22N					158	K49-13		31Y		48			228
A 321R			J22-U*		22N					158	K49-10		31Y		48			228
A 322	1		J22-Y*		22N					158	TB11-13F		19N		42			37
A 323	10				280	250	50 64 56 5						250	220	52		7A	
A 323A	2		SHLD A323		25N						E37-B		38N					156
A 323L			J22-Z*		22N					158	K67-16		31Y		48			257
A 323R			J22-X*		22N					158	K67-19		31Y		48			257
A 324	10				330	300	50 64 56 5						250	220	52		7A	
A 324A	2		SHLD A324		25N						E38-B		38N					157
A 324L			J22-BB		22N					158	K53- 7		31Y		48			232

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 51 OF 153

GNW WIRING HARNESS A AH 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	1	3	TERMINATION SPEC	1	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	1	3	TERMINATION SPEC	1	ITEM NO.	NO.
A 324R			J22-AA		22N					158	K53- 4		31Y		48			232
A 325	10				180	150	50 64 56 5						250	220	52		7A	
A 325A	2		SHLD A325		25N						E38-B		38N					157
A 325L			J22-DD		22N					158	K53-13		31Y		48			232
A 325R			J22-CC		22N					158	K53-10		31Y		48			232
A 326	10				230	200	50 64 56 5						250	220	52		7A	
A 326A	2		SHLD A326		25N						E38-B		38N					157
A 326L			J22-FF		22N					158	K38-13		31Y					217
A 326R			J22-EE		22N					158	K38-10		31Y					217
A 327	10				280	250	50 64 56 5						250	220	52		7A	
A 327A	2		SHLD A327		25N						E38-B		38N					157
A 327L			J22-HH		22N					158	TB13- 8B		19N		42			266
A 327R			J22-GG		22N					158	TB13- 7B		19N		42			266
A 328	10				330	300	50 64 56 5						250	220	52		7A	
A 328A	2		SHLD A328		25N						E38-B		38N					157
A 328L			J22-KK		22N					158	K38- 7		31Y					217
A 328R			J22-JJ		22N					158	K38- 4		31Y					217
A 329	10				180	150	50 64 56 5						250	220	52		7A	

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 52 OF 153

GNW WIRING HARNESS A AH 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	1	3	TERMINATION SPEC	1	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	1	3	TERMINATION SPEC	1	ITEM NO.	NO.
A 329A	2		SHLD A329		25N						E38-B		38N					157
A 329L			J22-MM		22N					158	K54-13		31Y					241
A 329R			J22-LL		22N					158	K54-10		31Y					241
A 330	10				230	200	50 64 56 5						250	220	52		7A	
A 330A	2		SHLD A330		25N						E38-B		38N					157
A 330L			J22-PP		22N					158	K54- 7		31Y					241
A 330R			J22-NN		22N					158	K54- 4		31Y					241
A 331	12				180	150	90 67 59 5						250	220	51		7A	
A 331A	2		SHLD A331		25N						E89-B		38N					162
A 331L			J23-B		22N					165	TB13-14D		19N		43			266
A 331R			J23-A		22N					165	TB13-13D		19N		43			266
A 332	3		J23-C		22N					165	E89-B		38N					162
A 333	1		J38-AA		22N					293	TB13-12D		19N		42			266
A 334	14				230	200	50 65 57 5						250	220	52		7A	
A 334A	2		SHLD A334		25N						E89-B		38N					162
A 334L			J23-F		22N					165	TB6-13C		19N		42			38
A 334R			J23-E		22N					165	TB6-14C		19N		42			38
A 334Y			J23-G		22N					165	TB6-12C		19N		42			38

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 53 OF 153

GNW WIRING HARNESS A AH 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	1	3	TERMINATION SPEC	1	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	1	3	TERMINATION SPEC	1	ITEM NO.	NO.
A 335	3		J23-H		22N					165	E89-B		38N					162
A 336	12				280	250	90 67 59 5						250	220	51		7A	
A 336A	2		SHLD A336		25N						E89-B		38N					162
A 336L			J23-K		22N					165	TB13-18B		19N		43			266
A 336R			J23-J		22N					165	TB13-17B		19N		43			266
A 337	10				330	300	50 64 56 5						250	220	52		7A	
A 337A	2		SHLD A337		25N						E89-B		38N					162
A 337L			J23-P		22N					165	J41-M*		22N					280
A 337R			J23-N		22N					165	J41-K*		22N					280
A 338	3		J23-R		22N					165	E89-B							162
A 339	14				180	150	50 65 57 5						250	220	52		7A	
A 339A	2		SHLD A339		25N						E90-B		38N					163
A 339L			J23-T		22N					165	J41-T		22N					280
A 339R			J23-S		22N					165	J41-U		22N					280
A 339Y			J23-U		22N					165	J41-S		22N					280
A 340	10				230	200	50 64 56 5						250	220	52		7A	
A 340A	2		SHLD A340		25N						E90-B		38N					163
A 340L			J23-W		22N					165	J35-V		22N					300

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 54 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT 2	T 1	2	ITEM NO	TERMINATION SPEC 1	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT 2	T 1	2	ITEM NO	TERMINATION SPEC 1	NO.
A 340R			J23-V	22N					165	U35-U	22N					300
A 341	10			280	250	50	64	56	5		250	220	52		7A	
A 341A	2		SHLD A341	25N						E90-B	38N					163
A 341L			J23-Y	22N					165	U35-X	22N					300
A 341R			J23-X	22N					165	U35-W	22N					300
A 342	16			330	300	90	68	60	5		250	220	51		7A	
A 342A	2		SHLD A342	25N						E90-B	38N					163
A 342L			J23-C*	22N					165	TB6-10C	19N		43			38
A 342R			J23-B*	22N					165	TB6-11C	19N		43			38
A 342Y			J23-D*	22N					165	TB6- 9C	19N		43			38
A 343	11			180	150	51	87	86	5		250	220	51		7A	
A 343A	2		SHLD A343	25N						E90-B	38N					163
A 343L			J23-F*	22N					165	U41-W	22N					280
A 343R			J23-E*	22N					165	U41-V	22N					280
A 344	14			230	200	50	65	57	5		250	220	52		7A	
A 344A	2		SHLD A344	25N						E90-B	38N					163
A 344L			J23-I*	22N					165	U41-X	22N					280
A 344R			J23-G*	22N					165	U41-Y	22N					280

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AH | SHEET 55 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT 2	T 1	2	ITEM NO.	TERMINATION SPEC 1	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT 2	T 1	2	ITEM NO.	TERMINATION SPEC 1	NO.
A 344Y			J23-H*	22N					165	J41-Z	22N					280
A 345	10			280	250	50	64	56	5		250	220	52		7A	
A 345A	2		SHLD A345	25N						E90-B	38N					163
A 345L			J23-K*	22N					165	TB7- 4B	19N		42			33
A 345R			J23-J*	22N					165	TB7- 3B	19N		42			33
A 346	10			330	300	50	64	56	5		250	220	52		7A	
A 346A	2		SHLD A346	25N						E90-B	38N					163
A 346L			J23-N*	22N					165	TB13- 5A	19N		42			266
A 346R			J23-M*	22N					165	TB13- 4A	19N		42			266
A 347	10			180	150	50	64	56	5		250	220	52		7A	
A 347A	2		SHLD A347	25N						E90-B	38N					163
A 347L			J23-S*	22N					165	TB6- 4A	19N		42			38
A 347R			J23-R*	22N					165	TB6- 1A	19N		42			38
A 348			DELETED													
A 349	16			230	200	90	68	60	5		250	220	51		7A	
A 349A	2		SHLD A349	25N						E42-B	38N					171
A 349L			J24-B	22N					173	U35-G	22N					300
A 349R			J24-A	22N					173	U35-E	22N					300

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AH | SHEET 56 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT 2	T 1	2	ITEM NO.	TERMINATION SPEC 1	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT 2	T 1	2	ITEM NO.	TERMINATION SPEC 1	NO.
A 349Y			J24-C	22N					173	U35-F	22N					300
A 350	9			280	250	52	63	55	5		200	170	53		7A	
A 350A	2		SHLD A350	25N						E41-B	38N					170
A 350W			J24-D	22N					173	U44-V	22N					274
A 351	14			330	300	50	65	57	5		250	220	52		7A	
A 351A	2		SHLD A351	25N						E41-B	38N					170
A 351L			J24-G	22N					173	U35-V*	22N					300
A 351R			J24-F	22N					173	U35-W*	22N					300
A 351Y			J24-H	22N					173	U35-X*	22N					300
A 352	10			180	150	50	64	56	5		250	220	52		7A	
A 352A	2		SHLD A352	25N						E41-B	38N					170
A 352L			J24-K	22N					173	TB13-20B	19N		42			266
A 352R			J24-J	22N					173	TB13-19B	19N		42			266
A 353	10			180	150	50	64	56	5		250	220	52		7A	
A 353A	2		SHLD A353	25N						E93-B	38N					172
A 353L			J24-M	22N					173	TB6- 5B	19N		42			38
A 353R			J24-L	22N					173	TB6- 2B	19N		42			38
A 355			DELETED													

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AH | SHEET 57 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH	ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT 2	T 1	2	ITEM NO.	TERMINATION SPEC 1	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT 2	T 1	2	ITEM NO.	TERMINATION SPEC 1	NO.
A 356	3		J24-S	22N					173	E93-B	38N					172
A 357	3		J24-T	22N					173	E93-B	38N					172
A 358	3		J24-U	22N					173	E93-B	38N					172
A 359	10			230	200	50	64	56	5		250	220	52		7A	
A 359A	2		SHLD A359	25N						E93-B	38N					172
A 359L			J24-Y	22N					173	J42-CC	22N					279
A 359R			J24-Z	22N					173	J42-DD	22N					279
A 360	10			280	250	50	64	56	5		250	220	52		7A	
A 360A	2		SHLD A360	25N						E41-B	38N					170
A 360L			J24-B*	22N					173	J42-BB	22N					279
A 360R			J24-A*	22N					173	J42-AA	22N					279
A 361	10			330	300	50	64	56	5		250	220	52		7A	
A 361A	2		SHLD A361	25N						E41-B	38N					170
A 361L			J24-D*	22N					173	J41-Z*	22N					280
A 361R			J24-C*	22N					173	J41-Y*	22N					280
A 362	10			180	150	50	64	56	5		250	220	52		7A	
A 362A	2		SHLD A362	25N						E41-B	38N					170
A 362L			J24-F*	22N					173	TB7- 6A	19N		42			33

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AH | SHEET 58 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.		FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT							TERMINATION SPEC ITEM NO.				NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT							TERMINATION SPEC ITEM NO.				NO.
A 362R			J24-E*	22N										173	TB7- 5A	19W			42							33
A 363	10			230	200	50	64	56	5							250	220	52				7A				
A 363A	2		SHLD A363	25N											E41-B	38N										170
A 363L			J24-H*	22N										173	TB17-17A	19W			42							261
A 363R			J24-G*	22N										173	TB17-18A	19W			42							261
A 364	11			280	250	51	87	86	5							250	220	51				7A				
A 364A	2		SHLD A364	25N											E41-B	38N										170
A 364L			J24-M*	22N										173	J41-CC	22N										280
A 364R			J24-K*	22N										173	J41-BB	22N										280
A 365	10			330	300	50	64	56	5							250	220	52				7A				
A 365A	2		SHLD A365	25N											E41-B	38N										170
A 365L			J24-P*	22N										173	J42-HH	22N										279
A 365R			J24-N*	22N										173	J42-GG	22N										279
A 366	10			180	150	50	64	56	5							250	220	52				7A				
A 366A	2		SHLD A366	25N											E42-B	38N										171
A 366L			J24-R*	22N										173	J42-CE	22N										279
A 366R			J24-Q*	22N										173	J42-FF	22N										279
A 368	11			230	200	51	87	86	5							250	220	51				7A				

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AM | SHEET 59 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.		FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT							TERMINATION SPEC ITEM NO.				NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT							TERMINATION SPEC ITEM NO.				NO.
A 368A	2		SHLD A368	25N											E42-B	38N										171
A 368L			J24-V*	22N										173	J41-EE	22N										280
A 368R			J24-U*	22N										173	J41-DD	22N										280
A 369	10			280	250	50	64	56	5							250	220	52				7A				
A 369A	2		SHLD A369	25N											E42-B	38N										171
A 369L			J24-X*	22N										173	TB13- 5B	19W			42							266
A 369R			J24-W*	22N										173	TB13- 4B	19W			42							266
A 370	10			330	300	50	64	56	5							250	220	52				7A				
A 370A	2		SHLD A370	25N											E42-B	38N										171
A 370L			J24-Y*	22N										173	TB7- 3A	19W			42							33
A 370R			J24-Z*	22N										173	TB7- 4A	19W			42							33
A 371	10			180	150	50	64	56	5							250	220	52				7A				
A 371A	2		SHLD A371	25N											E42-B	38N										171
A 371L			J24-HH	22N										173	J41-FF	22N										280
A 371R			J24-BB	22N										173	J41-GG	22N										280
A 372	10			230	200	50	64	56	5							250	220	52				7A				
A 372A	2		SHLD A372	25N											E42-B	38N										171
A 372L			J24-DD	22N										173	TB13-18C	19W			42							266

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AM | SHEET 60 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.		FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT							TERMINATION SPEC ITEM NO.				NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT							TERMINATION SPEC ITEM NO.				NO.
A 372R			J24-CC	22N										173	TB13-17C	19W			42							266
A 373	7			230	200	52	63	54	5							250	220	53				7A				
A 373A	2		SHLD A373	25N											E93-B	38N										172
A 373W			J24-AA	22N										173	J41-HH	22N										280
A 374	14			330	300	57	65	50	5							250	220	52				7A				
A 375A	2		SHLD A375	25N											E42-B	38N										171
A 375L			J24-NN	22N										173	J35-FF	22N										300
A 375R			J24-MM	22N										173	J35-EE	22N										300
A 375Y			J24-PP	22N										173	J35-GG	22N										300
A 376	3		J25-B	22N										154	E43-B	22N										152
A 377	7			280	250	52	63	54	5							280	250	53				7A				
A 377A	2		SHLD A377	25N											E44-B	38N										153
A 377W			J25-D	22N										154	J44-F*	22N										274
A 378	7			280	250	52	63	54	5							280	250	53				7A				
A 378A	2		SHLD A378	25N											E44-B	38N										153
A 378W			J25-E	22N										154	J44-G*	22N										274
A 379	7			230	200	52	63	54	5							250	200	53				7A				
A 379A	2		SHLD A379	25N											E44-B	38N										153

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AM | SHEET 61 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.		FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT							TERMINATION SPEC ITEM NO.				NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT							TERMINATION SPEC ITEM NO.				NO.
A 379W			J25-F	22N										154	J44-I*	22N										274
A 380	7			230	200	52	63	54	5							250	200	53				7A				
A 380A	2		SHLD A380	25N											E44-B	38N										153
A 380W			J25-G	22N										154	J44-K*	22N										274
A 381			DELETED																							
A 382			DELETED																							
A 383	12			180	150	90	67	59	5							250	220	51				7A				
A 383A	2		SHLD A383	25N											E43-B	38N										152
A 383L			J25-N	22N										154	TB13- 2E	19W			43							266
A 383R			J25-M	22N										154	TB13- 1E	19W			43							266
A 384			DELETED																							
A 384A			DELETED																							
A 384L			DELETED																							
A 384R			DELETED																							
A 384Y			DELETED																							
A 385	10			280	250	50	64	56	5							250	220	52				7A				
A 385A	2		SHLD A385	25N											E43-B	38N										152
A 385L			J25-U	22N										154	TB11- 6D	19W			42							37

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AM | SHEET 62 OF 153

CONDUCTOR INDIVIDUAL LENGTHS NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	TERMINATION SPEC. (1)	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	TERMINATION SPEC. (1)	ITEM NO.	NO.
A 385R		J25-T	22N				154	TB11- 4D	19N		42		37
A 386	10		330	300 50	64	56 5			250	220 52			7A
A 386A	2	SHLD A386	25N					E43-B	38N				152
A 386L		J25-W	22N				154	TB17-19D	19N		42		261
A 386R		J25-V	22N				154	TB17-20D	19N		42		261
A 387		DELETED											
A 387A		DELETED											
A 387L		DELETED											
A 387R		DELETED											
A 387Y		DELETED											
A 388	12		230	200 90	67	59 5			250	220 51			7A
A 388A	2	SHLD A388	25N					E43-B	38N				152
A 388L		J25-B*	22N				154	K21-10	31Y		47		180
A 388R		J25-A*	22N				154	K21-12	31Y		47		180
A 389	3	J25-C*	22N				154	TB13- 9B	19N		43		266
A 390	3	J25-D*	22N				154	K8- 1	31Y		46		39
A 391	11		280	250 51	87	86 5			250	220 51			7A
A 391A	2	SHLD A391	25N					E44-B	38N				153

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 63 OF 153

CONDUCTOR INDIVIDUAL LENGTHS NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	TERMINATION SPEC. (1)	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	TERMINATION SPEC. (1)	ITEM NO.	NO.
A 391L		J25-F*	22N				154	K21- 2	31Y		92		180
A 391R		J25-E*	22N				154	K21- 6	31Y		92		180
A 392	1	J25-M*	22N				154	TB13-11D	19N		42		266
A 393		DELETED											
A 393A		DELETED											
A 393W		DELETED											
A 394	15		180	150 51	66	86 5			250	220 51			7A
A 394A	2	SHLD A394	25N					E44-B	38N				153
A 394L		J25-KK	22N				154	K47- 4	31Y		49		226
A 394R		J25-HH	22N				154	K47-10	31Y		49		226
A 394Y		J25-JJ	22N				154	K47- 7	31Y		48		226
A 395	15		230	200 51	66	86 5			250	220 51			7A
A 395A	2	SHLD A395	25N					E44-B	38N				153
A 395L		J25-NN	22N				154	K51- 4	31Y		49		230
A 395R		J25-LL	22N				154	K51-10	31Y		49		230
A 395Y		J25-MM	22N				154	K51- 7	31Y		48		230
A 396	3	J25-PP	22N				154	K22- 7	31Y		48		202
A 397	3	J26-B	22N				159	E47-B	38N				161

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 64 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	TERMINATION SPEC. (1)	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	TERMINATION SPEC. (1)	ITEM NO.	NO.
A 398	14		180	150 50	65	57 6			250	220 50	65	57 6	
A 398A	2	SHLD A398	25N					U26-S	22N				159
A 398B	2	U33-C	22N				304	SHLD A398	25N				
A 398L		U26-H	22N				159	U33-W*	22N				304
A 398R		U26-G	22N				159	U33-V*	22N				304
A 398Y		U26-J	22N				159	U33-X*	22N				304
A 399	14		230	200 50	65	57 6			250	220 50	65	57 6	
A 399A	2	SHLD A399	25N					U26-A	22N				159
A 399B	2	U38-C	22N				293	SHLD A399	25N				
A 399L		U26-L	22N				159	U38-W*	22N				293
A 399R		U26-K	22N				159	U38-V*	22N				293
A 399Y		U26-M	22N				159	U38-X*	22N				293
A 400	14		280	250 50	65	57 6			250	220 50	65	57 6	
A 400A	2	SHLD A400	25N					U26-T	22N				159
A 400B	2	U32-C	22N				307	SHLD A400	25N				
A 400L		U26-P	22N				159	U32-W*	22N				307
A 400R		U26-N	22N				159	U32-V*	22N				307
A 400Y		U26-R	22N				159	U32-X*	22N				307

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 65 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	TERMINATION SPEC. (1)	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	TERMINATION SPEC. (1)	ITEM NO.	NO.
A 401	12		330	300 90	67	59 5			250	220 51			7A
A 401A	2	SHLD A401	25N					E45-B	38N				161A
A 401L		U26-V	22N				159	TB7-10B	19N		43		33
A 401R		U26-U	22N				159	TB7- 9B	19N		43		33
A 402	7		180	150 52	63	54 5			200	170 53			7A
A 402A	2	SHLD A402	25N					E45-B	38N				161A
A 402W		U26-W	22N				159	U44-J*	22N				274
A 403	10		230	200 50	64	56 5			250	220 52			7A
A 403A	2	SHLD A403	25N					E47-B	38N				161
A 403L		U26-Z	22N				159	K24- 3	31Y		48		204
A 403R		U26-Y	22N				159	K24- 4	31Y		49		204
A 404	11		280	250 51	87	86 5			250	220 51			7A
A 404A	2	SHLD A404	25N					E45-B	38N				161A
A 404L		U26-C*	22N				159	K23- 3	31Y		48		203
A 404R		U26-R*	22N				159	K23- 4	31Y		49		203
A 405	11		330	300 51	87	86 5			250	220 51			7A
A 405A	2	SHLD A405	25N					E45-B	38N				161A
A 405L		U26-E*	22N				159	TB13- 8C	19N		42		266

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 66 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC (1) ITEM NO.	NO.
A 405R		J26-D*	22N	159	TB13- 7C	19N 42	266
A 406	11		180 150 51 87 86 5		250 220 51	7A	
A 406A	2	SHLD A406	25N		E45-B	38N	161A
A 406L		J26-G*	22N	159	K39- 3	31Y 48	218
A 406R		J26-F*	22N	159	K39- 4	31Y 49	218
A 407	10	*	230 200 50 64 56 5		250 220 52	7A	
A 407A	2	SHLD A407	25N		E46-B	38N	160
A 407L		J26-I*	22N	159	K54-14	31Y 48	241
A 407R		J26-H*	22N	159	K54-11	31Y 48	241
A 408	10		280 250 50 64 56 5		250 220 52	7A	
A 408A	2	SHLD A408	25N		E46-B	38N	160
A 408L		J26-K*	22N	159	K55- 7	31Y 48	242
A 408R		J26-J*	22N	159	K55- 4	31Y 48	242
A 409	10		330 300 50 64 56 5		250 220 52	7A	
A 409A	2	SHLD A409	25N		E46-B	38N	160
A 409L		J26-N*	22N	159	K60- 4	31Y 49	250
A 409R		J26-M*	22N	159	K60- 7	31Y 49	250
A 410	10		180 150 50 64 56 5		250 220 52	7A	

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 67 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC (1) ITEM NO.	NO.
A 410A	2	SHLD A410	25N		E46-B	38N	160
A 410L		J26-Q*	22N	159	K43-13	31Y 49	222
A 410R		J26-P*	22N	159	K43-16	31Y 49	222
A 411	14		230 200 50 65 57 5			250 220 52 7A	
A 411A	2	SHLD A411	25N		E46-B	38N	160
A 411L		J26-S*	22N	159	K42- 7	31Y 49	221
A 411R		J26-R*	22N	159	K42-10	31Y 49	221
A 411Y		J26-T*	22N	159	K42- 4	31Y 49	221
A 412	10		280 250 50 64 56 5			250 220 52 7A	
A 412A	2	SHLD A412	25N		E46-B	38N	160
A 412L		J26-V*	22N	159	K64- 4	31Y 49	254
A 412R		J26-U*	22N	159	K64- 7	31Y 49	254
A 413	10		330 300 50 64 56 5			250 220 52 7A	
A 413A	2	SHLD A413	25N		E46-B	38N	160
A 413L		J26-X*	22N	159	K47-13	31Y 49	226
A 413R		J26-W*	22N	159	K47-16	31Y 49	226
A 414	10		180 150 50 64 56 5			250 220 52 7A	
A 414A	2	SHLD A414	25N		E47-B	38N	161

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 68 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC (1) ITEM NO.	NO.
A 414L		J26-Z*	22N	159	K46-13	31Y 49	225
A 414R		J26-Y*	22N	159	K46-16	31Y 49	225
A 415	14		230 200 50 65 57 5		250 220 52	7A	
A 415A	2	SHLD A415	25N		E47-B	38N	161
A 415L		J26-CC	22N	159	K46- 7	31Y 49	225
A 415R		J26-BB	22N	159	K46-10	31Y 49	225
A 415Y		J26-DD	22N	159	K46- 4	31Y 49	225
A 416	10		280 250 50 64 56 5		250 220 52	7A	
A 416A	2	SHLD A416	25N		E47-B	38N	161
A 416L		J26-FF	22N	159	K68- 4	31Y 49	258
A 416R		J26-EE	22N	159	K68- 7	31Y 49	258
A 417	10		330 300 50 64 56 5		250 220 52	7A	
A 417A	2	SHLD A417	25N		E47-B	38N	161
A 417L		J26-HH	22N	159	K50-13	31Y 49	229
A 417R		J26-GG	22N	159	K50-1(	31Y 49	229
A 418	10		180 150 50 64 56 5		250 220 52	7A	
A 418A	2	SHLD A418	25N		E47-B	38N	161
A 418L		J26-KK	22N	159	K51-13	31Y 49	230

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 69 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC (1) ITEM NO.	NO.
A 418R		J26-JJ	22N	159	K51-16	31Y 49	230
A 419	14		230 200 50 65 57 5			250 220 52 7A	
A 419A	2	SHLD A419	25N		E47-B	38N	161
A 419L		J26-MM	22N	159	K50- 7	31Y 49	229
A 419R		J26-LL	22N	159	K50-10	31Y 49	229
A 419Y		J26-NN	22N	159	K50- 4	31Y 49	229
A 420	3	J27-B	22N	168	E48-B	38N	167
A 421	3	J27-M	22N	168	J38-A*	22N	293
A 422	3	J27-N	22N	168	J33-A*	22N	304
A 423	3	J27-P	22N	168	J32-Z	22N	307
A 424	1	J27-S	22N	168	TB17- 8A	19N 42	261
A 425		DELETED					
A 425A		DELETED					
A 425L		DELETED					
A 425R		DELETED					
A 425Y		DELETED					
A 426	1	J27-Y	22N	168	TB7-11C	19N 42	33
A 427	1	J27-Z	22N	168	TB13- 3B	19N 42	266

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 70 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC.	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC.	ITEM NO.	NO.
A 428	10		230 200 50 64 56 5					250 220 52			7A
A 428A	2	SHLD A428	25N				E48-B	38N			167
A 428L		J27-B*	22N			168	K21- 3	31Y			180
A 428R		J27-A*	22N			168	K21- 5	31Y			180
A 429		DELETED									
A 429A		DELETED									
A 429L		DELETED									
A 429R		DELETED									
A 429Y		DELETED									
A 430		DELETED									
A 430A		DELETED									
A 430L		DELETED									
A 430R		DELETED									
A 431		DELETED									
A 431A		DELETED									
A 431L		DELETED									
A 431R		DELETED									
A 432	3	J27-J*	22N			168	E87-B	38N			263

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 71 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC.	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC.	ITEM NO.	NO.
A 433		DELETED									
A 434		DELETED									
A 435	8	J27-P*	22N			168	J8-W*	22N			25
A 436	7		280 250 52 63 54 5					230 200 53			7A
A 436A	2	SHLD A436	25N				E48-B	38N			167
A 436W		J27-Q*	22N			168	J33-I*	22N			304
A 437	7		280 250 52 63 54 5					230 200 53			7A
A 437A	2	SHLD A437	25N				E48-B	38N			167
A 437W		J27-R*	22N			168	J38-I*	22N			293
A 438	7		250 220 52 63 54 5					230 200 53			7A
A 438A	2	SHLD A438	25N				E48-B	38N			167
A 438W		J27-S*	22N			168	J32-I*	22N			307
A 439	7		250 220 52 63 54 5					230 200 53			7A
A 439A	2	SHLD A439	25N				E48-B	38N			167
A 439W		J27-T*	22N			168	J32-A*	22N			307
A 440	1	J27-AA	22N			168	TB13- 6B	19N	42		266
A 441	1	J27-BB	22N			168	TB11- 1B	19N	42		37
A 442	1	J27-CC	22N			168	J45-P*	22N			268

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 72 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC.	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC.	ITEM NO.	NO.
A 443	1	J27-DD	22N			168	J45-Q*	22N			268
A 444	1	J27-EE	22N			168	J45-R*	22N			268
A 448	1	J27-KK	22N			168	J39-CC	22N			291
A 449	10		230 200 50 64 56 5					250 220 52			7A
A 449A	2	SHLD A449	25N				E48-B	38N			167
A 449L		J27-NN	22N			168	K42-13	31Y	49		221
A 449R		J27-MM	22N			168	K42-16	31Y	49		221
A 450	3	J27-PP	22N			168	K22- 8	31Y	47		202
A 451	5	J30-A	41Y	46		314	TB3- 9	19N	40		69
A 452	5	J30-B	41Y	46		314	TB3-10	19N	40		68
A 453	5	J30-C	41Y	46		314	TB3- 3	19N	40		76
A 454	5	J30-D	41Y	46		314	TB3- 2	19N	40		77
A 455	6	J30-E	41Y	46		314	TB14- 4	31N	41		265
A 456		DELETED									
A 457	3	J31-B	22N			311	E50-B	38N			312
A 458		DELETED									
A 459	10		180 150 50 64 56 5					250 220 52			7A
A 459A	2	SHLD A459	25N				E50-B	38N			312

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANN'D SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 73 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC.	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC.	ITEM NO.	NO.
A 459L		J31-Z	22N			311	TB13-16B	19N	42		266
A 459R		J31-Y	22N			311	TB13-15B	19N	42		266
A 460	10		230 200 50 64 56 5					250 220 52			7A
A 460A	2	SHLD A460	25N				E50-B	38N			312
A 460L		J31-C*	22N			311	TB13-16E	19N	42		266
A 460R		J31-B*	22N			311	TB13-15E	19N	42		266
A 461	10		280 250 50 64 56 5					250 220 52			7A
A 461A	2	SHLD A461	25N				E50-B	38N			312
A 461L		J31-F*	22N			311	TB17-17B	19N	42		261
A 461R		J31-E*	22N			311	TB17-18B	19N	42		261
A 462	10		330 300 50 64 56 5					250 220 52			7A
A 462A	2	SHLD A462	25N				E50-B	38N			312
A 462L		J31-H*	22N			311	TB7- 6B	19N	42		33
A 462R		J31-G*	22N			311	TB7- 5B	19N	42		33
A 463	10		180 150 50 64 56 5					250 220 52			7A
A 463A	2	SHLD A463	25N				E50-B	38N			312
A 463L		J31-J*	22N			311	TB17-14A	19N	42		261
A 463R		J31-I*	22N			311	TB17-13A	19N	42		261

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANN'D SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 74 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC ITEM NO.	NO.
A 464	10	230 200 50 64 56 5			250 220 52	7A	
A 464A	2	SHLD A464 25N			E50-B 38N		312
A 464L		J31-N* 22N		311	J41-R* 22N		280
A 464R		J31-M* 22N		311	J41-Q* 22N		280
A 465	10	280 250 50 64 56 5			250 220 52	7A	
A 465A	2	SHLD A465 25N			E50-B 38N		312
A 465L		J31-Q* 22N		311	J41-T* 22N		280
A 465R		J31-P* 22N		311	J41-S* 22N		280
A 466	10	330 300 50 64 56 5			250 220 52	7A	
A 466A	2	SHLD A466 25N			E50-B 38N		312
A 466L		J31-S* 22N		311	J36-BB 22N		298
A 466R		J31-R* 22N		311	J36-AA 22N		298
A 468	7	180 150 52 63 54 5			200 170 53	7A	
A 468A	2	SHLD A468 25N			E50-B 38N		312
A 468W		J31-T* 22N		311	J36-CC 22N		298
A 469	10	230 200 50 64 56 5			250 220 52	7A	
A 469A	2	SHLD A469 25N			E51-B 38N		313
A 469L		J31-V* 22N		311	J42-X* 22N		279

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 75 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC ITEM NO.	NO.
A 469R		J31-U* 22N		311	J42-W* 22N		279
A 470	10	280 250 50 64 56 5			250 220 52	7A	
A 470A	2	SHLD A470 25N			E51-B 38N		313
A 470L		J31-W* 22N		311	J42-Z* 22N		279
A 470R		J31-X* 22N		311	J42-Y* 22N		279
A 471	14	330 300 50 65 57 6			250 220 50 65 57 6		
A 471A	2	SHLD A471 25N			J31-C 22N		311
A 471B	2	J36-X 22N		298	SHLD A471 25N		
A 471L		J31-Z* 22N		311	J36-EE 22N		298
A 471R		J31-Y* 22N		311	J36-DD 22N		298
A 471Y		J31-AA 22N		311	J36-FF 22N		298
A 472	10	180 150 50 64 56 5			250 220 52	7A	
A 472A	2	SHLD A472 25N			E51-B 38N		313
A 472L		J31-DD 22N		311	TB17-16C 19N	42	261
A 472R		J31-CC 22N		311	TB17-15C 19N	42	261
A 473	7	230 200 52 63 54 5			200 170 53	7A	
A 473A	2	SHLD A473 25N			E51-B 38N		313
A 473W		J31-EE 22N		311	TB13-13R 19N	42	266

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 76 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC ITEM NO.	NO.
A 474	1	J31-FF 22N		311	TB13-14B 19N	42	266
A 476	10	330 300 50 64 56 5			250 220 52	7A	
A 476A	2	SHLD A476 25N			E51-B 38N		313
A 476L		J31-JJ 22N		311	J36-HH 22N		298
A 476R		J31-HH 22N		311	J36-GG 22N		298
A 477		DELETED					
A 477A		DELETED					
A 477L		DELETED					
A 477R		DELETED					
A 477Y		DELETED					
A 478	11	230 200 51 87 86 5			250 220 51	7A	
A 478A	2	SHLD A478 25N			E51-B 38N		313
A 478L		J31-PP* 22N		311	TB6- 5E 19N	42	38
A 478R		J31-NN 22N		311	TB6- 2E 19N	42	38
A 479		DELETED					
A 480	3	J32-B 22N		307	E52-B 38N		308
A 481		DELETED					
A 482	7	J32-B* 22N		307	TB13-10C 19N	42	266

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 77 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC ITEM NO.	NO.
A 483	10	180 150 50 64 56 5			250 220 52	7A	
A 483A	2	SHLD A483 25N			E52-B 38N		308
A 483L		J32-D* 22N		307	TB11- 5A 19N	42	37
A 483R		J32-C* 22N		307	TB11- 4A 19N	42	37
A 484	10	230 200 50 64 56 5			250 220 52	7A	
A 484A	2	SHLD A484 25N			E52-B 38N		308
A 484L		J32-F* 22N		307	K51-14 31Y		230
A 484R		J32-E* 22N		307	K51-17 31Y		230
A 485	10	280 250 50 64 56 5			250 220 52	7A	
A 485A	2	SHLD A485 25N			E52-B 38N		308
A 485L		J32-H* 22N		307	TB17- 6C 19N	42	261
A 485R		J32-G* 22N		307	TB17- 5C 19N	42	261
A 486	10	330 300 50 64 56 5			250 220 52	7A	
A 486A	2	SHLD A486 25N			E52-B 38N		308
A 486L		J32-K* 22N		307	K66-10 31Y	49	256
A 486R		J32-J* 22N		307	K66-13 31Y	49	256
A 487	10	180 150 50 64 56 5			250 220 52	7A	
A 487A	2	SHLD A487 25N			E52-B 38N		308

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 78 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T (3)	S (4)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T (3)	S (4)	TERMINATION SPEC (1) ITEM NO.	NO.
A 487L		J32-N*	22N			307	K66- 4	31Y	49		256
A 487R		J32-M*	22N			307	K66- 7	31Y	49		256
A 488	10		23Q	200 50 64 56 5				250	220 52	7A	
A 488A	2	SHLD A488	25N				E52-B	38N			308
A 488L		J32-Q*	22N			307	K68- 5	31Y	49		258
A 488R		J32-P*	22N			307	K68- 8	31Y	49		258
A 489	10		28Q	250 50 64 56 5				250	220 52	7A	
A 489A	2	SHLD A489	25N				E52-B	38N			308
A 489L		J32-S*	22N			307	K65-10	31Y	49		255
A 489R		J32-R*	22N			307	K65-13	31Y	49		255
A 490	10		33Q	300 50 64 56 5				250	220 52	7A	
A 490A	2	SHLD A490	25N				E53-B	38N			309
A 490L		J32-U*	22N			307	K65- 4	31Y	49		255
A 490R		J32-T*	22N			307	K65- 7	31Y	49		255
A 491	10		18Q	150 50 64 56 5				250	220 52	7A	
A 491A	2	SHLD A491	25N				E53-B	38N			309
A 491L		J32-Z*	22N			307	TB17-2UB	19N	42		261
A 491R		J32-Y*	22N			307	TB17-1YB	19N	42		261

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 79 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T (3)	S (4)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T (3)	S (4)	TERMINATION SPEC (1) ITEM NO.	NO.
A 492	10		28Q	250 50 64 56 5				28Q	250 52	7A	
A 492A	2	SHLD A492	25N				E53-B	38N			309
A 492L		J32-CC	22N			307	TB13- 2B	19N	42		266
A 492R		J32-BB	22N			307	TB13- 1B	19N	42		266
A 494	1	J32-DD	22N			307	TB13-11C	19N	42		266
A 495	14		23Q	200 50 65 57 5				250	220 52	7A	
A 495A	2	SHLD A495	25N				E53-B	38N			309
A 495L		J32-EE	22N			307	K50- 8	31Y			229
A 495R		J32-GG	22N			307	K50-11	31Y			229
A 495Y		J32-FF	22N			307	K50- 5	31Y	49		229
A 496	14		18Q	150 50 65 57 5				250	220 52	7A	
A 496A	2	SHLD A496	25N				E53-B	38N			309
A 496L		J32-HH	22N			307	K51- 5	31Y	49		230
A 496R		J32-JJ	22N			307	K51-11	31Y	49		230
A 496Y		J32-KK	22N			307	K51- 7	31Y			230
A 497	11		23Q	200 51 87 86 5				250	220 51	7A	
A 497A	2	SHLD A497	25N				E53-B	38N			309
A 497L		J32-MM	22N			307	T86- 4C	19N	42		38

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 80 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T (3)	S (4)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T (3)	S (4)	TERMINATION SPEC (1) ITEM NO.	NO.
A 497R		J32-LL	22N			307	TB6- 1C	19N	42		38
A 498	7		28Q	250 52 63 54 5				200	170 53	7A	
A 498A	2	SHLD A498	25N				E53-B	38N			309
A 498W		J32-NN	22N			307	TB11- 2C	19N	42		37
A 499	7		33Q	300 52 63 54 5				200	170 53	7A	
A 499A	2	SHLD A499	25N				E53-B	38N			309
A 499W		J32-PP	22N			307	TB11- 2B	19N	42		37
A 500		DELETED									
A 501	3	J33-B	22N			304	E54-B	38N			305
A 502		DELETED									
A 503	7	J33-B*	22N			304	TB13-10B	19N	42		266
A 504	10		18Q	150 50 64 56 5				250	220 52	7A	
A 504A	2	SHLD A504	25N				E54-B	38N			305
A 504L		J33-D*	22N			304	TB11- 5B	19N	42		37
A 504R		J33-C*	22N			304	TB11- 4B	19N	42		37
A 505	10		23Q	200 50 64 56 5				250	220 52	7A	
A 505A	2	SHLD A505	25N				E54-B	38N			305
A 505L		J33-F*	22N			304	K46-14	31Y			225

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 81 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T (3)	S (4)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T (3)	S (4)	TERMINATION SPEC (1) ITEM NO.	NO.
A 505R		J33-E*	22N			304	K46-17	31Y			229
A 506	10		28Q	250 50 64 56 5				250	220 52	7A	
A 506A	2	SHLD A506	25N				E54-B	38N			305
A 506L		J33-H*	22N			304	TB17- 4A	19N	42		261
A 506R		J33-G*	22N			304	TB17- 3A	19N	42		261
A 507	10		33Q	300 50 64 56 5				250	220 52	7A	
A 507A	2	SHLD A507	25N				E54-B	38N			305
A 507L		J33-K*	22N			304	K62-10	31Y	49		252
A 507R		J33-J*	22N			304	K62-13	31Y	49		252
A 508	10		18Q	150 50 64 56 5				250	220 52	7A	
A 508A	2	SHLD A508	25N				E54-B	38N			305
A 508L		J33-N*	22N			304	K62- 4	31Y	49		252
A 508R		J33-M*	22N			304	K62- 7	31Y	49		252
A 509	10		23Q	200 50 64 56 5				250	220 52	7A	
A 509A	2	SHLD A509	25N				E54-B	38N			305
A 509L		J33-Q*	22N			304	K64- 5	31Y	49		254
A 509R		J33-P*	22N			304	K64- 8	31Y	49		254
A 510	10		28Q	250 50 64 56 5				250	220 52	7A	

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 82 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T	W	TERMINATION SPEC ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T	W	TERMINATION SPEC ITEM NO.	NO.
A 510A	2	SHLD A510	25	N			E54-B	38	N		305
A 510L		J33-S*	22	N		304	K61-10	31	Y	49	251
A 510R		J33-R*	22	N		304	K61-13	31	Y	49	251
A 511	10		330	300	50 64 56 5			280	220	52 7A	
A 511A	2	SHLD A511	25	N			E54-B	38	N		305
A 511L		J33-U*	22	N		304	K61- 4	31	Y	49	251
A 511R		J33-T*	22	N		304	K61- 7	31	Y	49	251
A 512	10		180	150	50 64 56 5			250	220	52 7A	
A 512A	2	SHLD A512	25	N			E55-B	38	N		306
A 512L		J33-Z*	22	N		304	TB17-20C	19	N	42	261
A 512R		J33-Y*	22	N		304	TB17-19C	19	N	42	261
A 513	10		280	250	50 64 56 5			280	250	52 7A	
A 513A	2	SHLD A513	25	N			E54-B	38	N		305
A 513L		J33-CC	22	N		304	TB13- 2C	19	N	42	266
A 513R		J33-BB	22	N		304	TB13- 1C	19	N	42	266
A 515	1	J33-DD	22	N		304	TB13-11B	19	N	42	266
A 516	14		250	200	50 65 57 5			250	220	52 7A	
A 516A	2	SHLD A516	25	N			E55-B	38	N		306

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE-NONE | REV LTR AH | SHEET 83 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T	W	TERMINATION SPEC ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T	W	TERMINATION SPEC ITEM NO.	NO.
A 516L		J33-EE	22	N		304	X46- 8	31	Y		225
A 516R		J33-GG	22	N		304	X46-11	31	Y		225
A 516Y		J33-FF	22	N		304	X46- 5	31	Y	49	225
A 517	14		280	250	50 65 52 5			250	220	52 7A	
A 517A	2	SHLD A517	25	N			E55-B	38	N		306
A 517L		J33-HH	22	N		304	X47- 5	31	Y	49	226
A 517R		J33-JJ	22	N		304	X47-11	31	Y	49	226
A 517Y		J33-KK	22	N		304	X47- 7	31	Y		226
A 518	11		350	300	51 87 86 5			250	220	51 7A	
A 518A	2	SHLD A518	25	N			E55-B	38	N		306
A 518L		J33-MM	22	N		304	TB6- 4D	19	N	42	38
A 518R		J33-LL	22	N		304	TB6- 1D	19	N	42	38
A 519	7		180	150	52 63 54 5			200	170	53 7A	
A 519A	2	SHLD A519	25	N			E55-B	38	N		306
A 519W		J33-NN	22	N		304	TB11- 2E	19	N	42	37
A 520	7		230	200	52 63 54 5			200	170	53 7A	
A 520A	2	SHLD A520	25	N			E55-B	38	N		306
A 520W		J33-PP	22	N		304	TB11- 2D	19	N	42	37

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE-NONE | REV LTR AH | SHEET 84 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T	W	TERMINATION SPEC ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T	W	TERMINATION SPEC ITEM NO.	NO.
A 521	3	J34-B	22	N		301	E62-B	38	N		292
A 522		DELETED									
A 522A		DELETED									
A 522L		DELETED									
A 522R		DELETED									
A 523	11		230	200	51 87 86 5			250	220	51 7A	
A 523A	2	SHLD A523	25	N			E56-B	38	N		302
A 523L		J34-R	22	N		301	TB17-12B	19	N	42	261
A 523R		J34-P	22	N		301	TB17-12E	19	N	42	261
A 524	12		280	250	90 67 59 5			250	220	51 7A	
A 524A	2	SHLD A524	25	N			E56-B	38	N		302
A 524L		J34-V	22	N		301	TB17- 9B	19	N	43	261
A 524R		J34-U	22	N		301	TB17-10B	19	N	43	261
A 525	2	J34-W	22	N		301	TB13- 9C	19	N	43	266
A 526	2	J34-X	22	N		301	J6-M	22	N		12
A 527		DELETED									
A 528	3	J34-Z	22	N		301	X68- 1	31	Y	48	258
A 529	10		330	300	50 64 56 5			250	220	52 7A	

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE-NONE | REV LTR AH | SHEET 85 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T	W	TERMINATION SPEC ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	T	W	TERMINATION SPEC ITEM NO.	NO.
A 529A	2	SHLD A529	25	N			E56-B	38	N		302
A 529L		J34-B*	22	N		301	J39-R	22	N		291
A 529R		J34-A*	22	N		301	J39-P	22	N		291
A 530	11		330	300	51 87 86 5			250	220	51 7A	
A 530A	2	SHLD A530	25	N			E56-B	38	N		302
A 530L		J34-D*	22	N		301	J39-T	22	N		291
A 530R		J34-C*	22	N		301	J39-S	22	N		291
A 531	10		180	150	50 64 56 5			250	220	52 7A	
A 531A	2	SHLD A531	25	N			E56-B	38	N		302
A 531L		J34-F*	22	N		301	J39-N	22	N		291
A 531M		J34-E*	22	N		301	J39-M	22	N		291
A 532	11		230	200	51 87 86 5			250	220	51 7A	
A 532A	2	SHLD A532	25	N			E56-B	38	N		302
A 532L		J34-H*	22	N		301	TB6- 5D	19	N	42	38
A 532R		J34-G*	22	N		301	TB6- 2D	19	N	45	38
A 533	1	J34-I*	22	N		301	J39-U	22	N		291
A 534	1	J34-J*	22	N		301	J39-V	22	N		291
A 535	1	J34-K*	22	N		301	J39-W	22	N		291

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE-NONE | REV LTR AH | SHEET 86 OF 153

GNW WIRING HARNESS A AH 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	2>	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2>	T/B 1>	TERMINATION SPEC. 1> ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2>	T/B 1>	TERMINATION SPEC. 1> ITEM NO.	NO.
A 536	1		J34-M*	22N			301	K60- 1	31Y		48	250
A 537	1		J34-Q*	22N			301	J39-Y	22N			291
A 538	1		J34-S*	22N			301	J39-Z	22N			291
A 539	1		J34-T*	22N			301	J39-B*	22N			291
A 540	1		J34-U*	22N			301	J39-C*	22N			291
A 541	1		J34-W*	22N			301	K64- 1	31Y		48	254
A 542	7			28Q	25Q	52 63 54 5			20Q	17Q 53		7A
A 542A	2		SHLD A542	25N				E94-B	38N			303
A 542W			J34-X*	22N			301	J39-F*	22N			291
A 543	3		J34-Y*	22N			301	J39-G*	22N			291
A 544	7			33Q	30Q	52 63 54 5			20Q	17Q 53		7A
A 544A	2		SHLD A544	25N				E94-B	38N			303
A 544W			J34-Z*	22N			301	J39-H*	22N			291
A 545	3		J34-AA	22N			301	J39-I*	22N			291
A 546	3		J34-BB	22N			301	J39-J*	22N			291
A 547	7			18Q	15Q	52 63 54 5			20Q	17Q 53		7A
A 547A	2		SHLD A547	25N				E94-B	38N			303
A 547W			J34-CC	22N			301	J39-K*	22N			291

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 87 OF 153

GNW WIRING HARNESS A AH 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	2>	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2>	T/B 1>	TERMINATION SPEC. 1> ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2>	T/B 1>	TERMINATION SPEC. 1> ITEM NO.	NO.
A 549	1		J34-EE	22N			301	J39-N*	22N			291
A 550	7			23Q	20Q	52 63 54 5			20Q	17Q 53		7A
A 550A	2		SHLD A550	25N				E94-B	38N			303
A 550W			J34-FF	22N			301	J39-P*	22N			291
A 551	7			28Q	25Q	52 63 54 5			20Q	17Q 53		7A
A 551A	2		SHLD A551	25N				E94-B	38N			303
A 551W			J34-GG	22N			301	J39-Q*	22N			291
A 552	3		J35-B	22N			300	E57-B	38N			299
A 553	10			18Q	15Q	50 64 56 5			25Q	22Q 52		7A
A 553A	2		SHLD A553	25N				E57-B	38N			299
A 553L			J35-N	22N			300	TB13-14C	19N		42	266
A 553R			J35-L	22N			300	TB13-13C	19N		42	266
A 554	10			25Q	20Q	50 64 56 5			25Q	22Q 52		7A
A 554A	2		SHLD A554	25N				E57-B	38N			299
A 554L			J35-P	22N			300	TB17-16A	19N		42	261
A 554R			J35-N	22N			300	TB17-15A	19N		42	261
A 555	10			28Q	25Q	50 64 56 5			25Q	22Q 52		7A
A 555A	2		SHLD A555	25N				E57-B	38N			299

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 88 OF 153

GNW WIRING HARNESS A AH 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	2>	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2>	T/B 1>	TERMINATION SPEC. 1> ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2>	T/B 1>	TERMINATION SPEC. 1> ITEM NO.	NO.
A 555L			J35-Z	22N			300	TB13-18D	19N		42	266
A 555R			J35-Y	22N			300	TB13-17D	19N		42	266
A 556	7			33Q	30Q	52 63 54 5			20Q	17Q 53		7A
A 556A	2		SHLD A556	25N				E57-B	38N			299
A 556W			J35-D*	22N			300	J37-F*	22N			295
A 557	10			18Q	15Q	50 64 56 5			25Q	22Q 52		7A
A 557A	2		SHLD A557	25N				E57-B	38N			299
A 557L			J35-F*	22N			300	J37-H*	22N			295
A 557R			J35-E*	22N			300	J37-G*	22N			295
A 558			DELETED									
A 558A			DELETED									
A 558L			DELETED									
A 558R			DELETED									
A 558Y			DELETED									
A 559	1		J35-Q*	22N			300	J43-X	22N			275
A 560	1		J35-Y*	22N			300	TB13- 3C	19N		42	266
A 561	3		J36-B	22N			298	E58-B	38N			297
A 562	10			28Q	25Q	50 64 56 5			25Q	22Q 52		7A

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 89 OF 153

GNW WIRING HARNESS A AH 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	2>	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2>	T/B 1>	TERMINATION SPEC. 1> ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2>	T/B 1>	TERMINATION SPEC. 1> ITEM NO.	NO.
A 562A	2		SHLD A562	25N				E58-B	38N			297
A 562L			J36-F*	22N			298	K19- 1	31Y		47	177
A 562R			J36-E*	22N			298	K19- 7	31Y		47	177
A 563	10			23Q	30Q	50 64 56 5			25Q	22Q 52		7A
A 563A	2		SHLD A563	25N				E58-B	38N			297
A 563L			J36-H*	22N			298	K19- 2	31Y		47	177
A 563R			J36-G*	22N			298	K19- 6	31Y		47	177
A 564	10			18Q	15Q	50 64 56 5			25Q	22Q 52		7A
A 564A	2		SHLD A564	25N				E58-B	38N			297
A 564L			J36-J*	22N			298	K30- 1	31Y		47	209
A 564R			J36-I*	22N			298	K30- 7	31Y		47	209
A 565	10			23Q	20Q	50 64 56 5			25Q	22Q 52		7A
A 565A	2		SHLD A565	25N				E58-B	38N			297
A 565L			J36-M*	22N			298	K30- 2	31Y		47	209
A 565R			J36-K*	22N			298	K30- 6	31Y		47	209
A 566	10			28Q	25Q	50 64 56 5			25Q	22Q 52		7A
A 566A	2		SHLD A566	25N				E58-B	38N			297
A 566L			J36-P*	22N			298	J37-P*	22N			295

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 90 OF 153

GNW WIRING HARNESS A AH 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	T/S/N (3)	ITEM NO.	TERMINATION SPEC (1)	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	T/S/N (3)	ITEM NO.	TERMINATION SPEC (1)	NO.
A 566R		J36-N*	22N			298	J37-N*	22N			295
A 567	7		330	300 52 63 54 5				200	170 53	7A	
A 567A	2	SHLD A567	25N				E58-B	38N			297
A 567W		J36-Q*	22N			298	J37-Q*	22N			295
A 568	10		180	150 50 64 56 5				250	220 52	7A	
A 568A	2	SHLD A568	25N				E58-B	38N			297
A 568L		J36-S*	22N			298	J37-S*	22N			295
A 568R		J36-R*	22N			298	J37-R*	22N			295
A 569	10		230	200 50 64 56 5				250	220 52	7A	
A 569A	2	SHLD A569	25N				E58-B	38N			297
A 569L		J36-U*	22N			298	J37-U*	22N			295
A 569R		J36-T*	22N			298	J37-T*	22N			295
A 570	14		280	250 50 65 57 6				250	220 50 65 57 6		
A 570A	2	SHLD A570	25N				J36-W	22N			298
A 570B	2	J37-C	22N			295	SHLD A570	25N			
A 570L		J36-W*	22N			298	J37-W*	22N			295
A 570R		J36-V*	22N			298	J37-V*	22N			295
A 570Y		J36-X*	22N			298	J37-X*	22N			295

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 91 OF 153

GNW WIRING HARNESS A AH 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	T/S/N (3)	ITEM NO.	TERMINATION SPEC (1)	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	T/S/N (3)	ITEM NO.	TERMINATION SPEC (1)	NO.
A 571	10		330	300 50 64 56 5				250	220 52	7A	
A 571A	2	SHLD A571	25N				E58-B	38N			297
A 571L		J36-Z*	22N			298	J37-FF	22N			295
A 571R		J36-Y*	22N			298	J37-EE	22N			295
A 572		DELETED									
A 573	3	J37-B	22N			295	E61-B	38N			271
A 574		DELETED									
A 575	10		180	150 50 64 56 5				250	220 52	7A	
A 575A	2	SHLD A575	25N				E61-B	38N			271
A 575L		J37-Z	22N			295	TB13-16A	19N	42		266
A 575R		J37-Y	22N			295	TB13-15A	19N	42		266
A 576	10		230	200 50 64 56 5				250	220 52	7A	
A 576A	2	SHLD A576	25N				E61-B	38N			271
A 576L		J37-C*	22N			295	TB7- 4D	19N	42		33
A 576R		J37-B*	22N			295	TB7- 3D	19N	42		33
A 577	10		280	250 50 64 56 5				250	220 52	7A	
A 577A	2	SHLD A577	25N				E59-B	38N			296
A 577L		J37-E*	22N			295	TB13- 5C	19N	42		266

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 92 OF 153

GNW WIRING HARNESS A AH 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	T/S/N (3)	ITEM NO.	TERMINATION SPEC (1)	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	T/S/N (3)	ITEM NO.	TERMINATION SPEC (1)	NO.
A 577R		J37-D*	22N			295	TB13- 4C	19N	42		266
A 578	10		330	300 50 64 56 5				250	220 52	7A	
A 578A	2	SHLD A578	25N				E59-B	38N			296
A 578L		J37-J*	22N			295	J41-E*	22N			280
A 578R		J37-I*	22N			295	J41-F*	22N			280
A 579	10		180	150 50 64 56 5				250	220 52	7A	
A 579A	2	SHLD A579	25N				E59-B	38N			296
A 579L		J37-K*	22N			295	J41-H*	22N			280
A 579R		J37-H*	22N			295	J41-G*	22N			280
A 580	10		230	200 50 64 56 5				250	220 52	7A	
A 580A	2	SHLD A580	25N				E59-B	38N			296
A 580L		J37-Z*	22N			295	TB17-16D	19N	42		261
A 580R		J37-Y*	22N			295	TB17-15D	19N	42		261
A 581	7		280	250 52 63 54 5				200	170 53	7A	
A 581A	2	SHLD A581	25N				E59-B	38N			296
A 581W		J37-BB	22N			295	TB13-13A	19N	42		266
A 582	11		180	150 51 87 86 5				250	220 51	7A	
A 582A	2	SHLD A582	25N				E59-B	38N			296

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 93 OF 153

GNW WIRING HARNESS A AH 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	T/S/N (3)	ITEM NO.	TERMINATION SPEC (1)	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	T/S/N (3)	ITEM NO.	TERMINATION SPEC (1)	NO.
A 582L		J37-LL	22N			295	TB6- 4E	19N	42		38
A 582R		J37-KK	22N			295	TB6- 1E	19N	42		38
A 584	14		230	200 50 63 57 5				250	220 52	7A	
A 584A	2	SHLD A584	25N				E59-B	38N			296
A 584L		J37-MM	22N			295	TB13-20D	19N	42		266
A 584R		J37-PP	22N			295	TB13-19D	19N	42		266
A 584Y		J37-NN	22N			295	TB13-20E	19N	42		266
A 585		DELETED									
A 586	3	J38-B	22N			293	E60-B	38N			294
A 587		DELETED									
A 588	1	J38-B*	22N			293	TB13-10A	19N	42		266
A 589	10		180	150 50 64 56 5				250	220 52	7A	
A 589A	2	SHLD A589	25N				E60-B	38N			294
A 589L		J38-D*	22N			293	TB11- 5C	19N	42		37
A 589R		J38-C*	22N			293	TB11- 4C	19N	42		37
A 590	10		230	200 50 64 56 5				250	220 52	7A	
A 590A	2	SHLD A590	25N				E60-B	38N			294
A 590L		J38-F*	22N			293	K42-14	31Y			221

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 94 OF 153

CONDUCTOR NUMBER	CONDUCTOR ITEM NO.	CONDUCTOR INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM T B	FROM TERMINATION SPEC. ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO T B	TO TERMINATION SPEC. ITEM NO.	TO NO.
A 590R			U38-E*	22N		293	K42-17	31Y		221
A 591	10			280	250 50 64 56 5			250	220 52 7A	
A 591A	2		SHLD A591	25N			E60-B	38N		294
A 591L			U38-H*	22N		293	TB17- 2A	19N	42	281
A 591R			U38-G*	22N		293	TB17- IA	19N	42	281
A 592	10			330	300 50 64 56 5			250	220 52 7A	
A 592A	2		SHLD A592	25N			E60-B	38N		294
A 592L			U38-K*	22N		293	K58-10	31Y	49	248
A 592R			U38-J*	22N		293	K58-13	31Y	49	248
A 593	10			180	150 50 64 56 5			250	220 52 7A	
A 593A	2		SHLD A593	25N			E60-B	38N		294
A 593L			U38-N*	22N		293	K58- 4	31Y	49	248
A 593R			U38-M*	22N		293	K58- 7	31Y	49	248
A 594	10			280	200 50 64 56 5			250	220 52 7A	
A 594A	2		SHLD A594	25N			E60-B	38N		294
A 594L			U38-Q*	22N		293	K60- 5	31Y	49	250
A 594R			U38-P*	22N		293	K604 8	31Y	49	250
A 595	10			280	250 50 64 56 5			250	220 52 7A	

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 95 OF 153

CONDUCTOR NUMBER	CONDUCTOR ITEM NO.	CONDUCTOR INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM T B	FROM TERMINATION SPEC. ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO T B	TO TERMINATION SPEC. ITEM NO.	TO NO.
A 595A	2		SHLD A595	25N			E60-B	38N		294
A 595L			U38-S*	22N		293	K57-10	31Y	49	247
A 595R			U38-R*	22N		293	K57-13	31Y	49	247
A 596	10			330	300 50 64 56 5			250	220 52 7A	
A 596A	2		SHLD A596	25N			E61-B	38N		271
A 596L			U38-U*	22N		293	K574 4	31Y	49	247
A 596R			U38-T*	22N		293	K57- 7	31Y	49	247
A 597	10			140	150 50 64 56 5			250	220 52 7A	
A 597A	2		SHLD A597	25N			E61-B	38N		271
A 597L			U38-Z*	22N		293	TB17-2GA	19N	42	261
A 597R			U38-Y*	22N		293	TB17-19A	19N	42	261
A 598	10			250	220 50 64 56 5			250	220 52 7A	
A 598A	2		SHLD A598	25N			E61-B	38N		271
A 598L			U38-CC	22N		293	TB13- 2D	19N	42	266
A 598R			U38-BB	22N		293	TB13- 1D	19N	42	266
A 600	1		U38-DD	22N		293	TB13-11A	19N	42	266
A 601	14			230	200 50 65 57 5			250	220 52 7A	
A 601A	2		SHLD A601	25N			E61-B	38N		271

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 96 OF 153

CONDUCTOR NUMBER	CONDUCTOR ITEM NO.	CONDUCTOR INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM T B	FROM TERMINATION SPEC. ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO T B	TO TERMINATION SPEC. ITEM NO.	TO NO.
A 601L	3		U38-EE	22N		293	K42- 8	31Y		221
A 601R			U38-GG	22N		293	K42-11	31Y		221
A 601Y			U38-FF	22N		293	K42- 5	31Y	49	221
A 602	14			280	250 50 65 57 5			250	220 52 7A	
A 602A	2		SHLD A602	25N			E61-B	38N		271
A 602L			U38-HH	22N		293	K43- 5	31Y	49	222
A 602R			U38-JJ	22N		293	K43-11	31Y	49	222
A 602Y			U38-KK	22N		293	K43- 7	31Y		222
A 603	11			330	300 51 87 86 5			250	220 51 7A	
A 603A	2		SHLD A603	25N			E61-B	38N		271
A 603L			U38-MM	22N		293	TB6- 4B	19N	42	38
A 603R			U38-LL	22N		293	TB6- 1B	19N	42	38
A 604	2			180	150 52 63 54 5			200	170 53 7A	
A 604A	2		SHLD A604	25N			E61-B	38N		271
A 604W			U38-NN	22N		293	TB11- 3B	19N	42	37
A 605	1			230	200 52 63 54 5			200	170 53 7A	
A 605A	2		SHLD A605	25N			E61-B	38N		271
A 605W			U38-PP	22N		293	TB11- 2F	19N	42	37

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 97 OF 153

CONDUCTOR NUMBER	CONDUCTOR ITEM NO.	CONDUCTOR INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM T B	FROM TERMINATION SPEC. ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO T B	TO TERMINATION SPEC. ITEM NO.	TO NO.
A 606			DELETED							
A 607	3		U39-B	22N		291	E62-B	38N		292
A 608	1		U39-X	22N		291	TB17- 8B	19N	42	261
A 609			DELETED							
A 610			DELETED							
A 610A			DELETED							
A 610L			DELETED							
A 610R			DELETED							
A 611	9			230	200 52 63 55 5			200	170 53 7A	
A 611A	2		SHLD A611	25N			E62-B	38N		292
A 611W			U39-V*	22N		291	TB6- 3B	19N	43	38
A 612	9			280	250 52 63 55 5			200	170 53 7A	
A 612A	2		SHLD A612	25N			E62-B	38N		292
A 612W			U39-W*	22N		291	TB6- 3C	19N	43	38
A 613			DELETED							
A 613A			DELETED							
A 613W			DELETED							
A 614	1		U39-EE	22N		291	TB11- 1C	19N	42	37

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 98 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT		TERMINATION SPEC ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT		TERMINATION SPEC ITEM NO.	NO.
A 615	1	J39-DD	22N		291	TB13- 6C	19N	42	266
A 616	3	J40-B	28Y	47	290	E62-B	38N		292
A 617	6	J40-D	28Y	47	290	TB5- 4	19N	40	63
A 618	4	J40-E	28Y	47	290	TB16- 7	19N	40	262
A 619	6	J40-I	41Y	46	290	TB2- 8	31N	41	92
A 620	6	J40-J	41Y	46	290	TB2- 7	31N	41	93
A 621	5	J40-K	41Y	46	290	TB3- 8	19N	40	70
A 622	5	J40-L	41Y	46	290	TB3- 7	19N	40	71
A 623	5	J40-M	41Y	46	290	TB4- 8	19N	40	82
A 624	5	J40-N	41Y	46	290	TB4- 7	19N	40	83
A 625	6	J40-S	41Y	46	290	TB16- 8	31N	41	262
A 626	8	J40-T	41Y	46	290	TB16-10	31N	41	262
A 627	6	J40-U	41Y	46	290	TB14-10	31N	41	265
A 628	6	J40-V	41Y	46	290	TB10- 4	31N	41	36
A 629		DELETED							
A 630	12		180	150 90 67 58 5			250	220 51	7A
A 630A	2	SHLD A630	25N			E62-B	38N		292
A 630L		J40-E	28Y	47	290	TB17-10C	19N	43	261

△3 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
△4 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 99 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT		TERMINATION SPEC ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT		TERMINATION SPEC ITEM NO.	NO.
A 630R		J40-DD	28Y	47	290	TB17- 9C	19N	43	261
A 631		DELETED							
A 631A		DELETED							
A 631L		DELETED							
A 631R		DELETED							
A 632		DELETED							
A 632A		DELETED							
A 632L		DELETED							
A 632R		DELETED							
A 633		DELETED							
A 633A		DELETED							
A 633L		DELETED							
A 633R		DELETED							
A 644	5	J41-M	22N		280	E63-B	38N		278
A 645	1	J41-N	22N		280	TB7-12C	19N	42	33
A 646	1	J41-P	22N		280	K20- 5	31Y	46	178
A 647	1	J41-R	22N		280	K20- 3	31Y	47	178
A 648	10		330	300 50 64 56 5			250	220 52	7A

△3 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
△4 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 100 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT		TERMINATION SPEC ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT		TERMINATION SPEC ITEM NO.	NO.
A 648A	2	SHLD A648	25N			E63-B	38N		278
A 648L		J41-D*	22N		280	TB7- 4C	19N	42	33
A 648R		J41-C*	22N		280	TB7- 3C	19N	42	33
A 649	10		180	150 50 64 56 5			250	220 52	7A
A 649A	2	SHLD A649	25N			E63-B	38N		278
A 649L		J41-I*	22N		280	TB13- 5D	19N	42	266
A 649R		J41-J*	22N		280	TB13- 4D	19N	42	266
A 650	10		230	200 50 64 56 5			250	220 52	7A
A 650A	2	SHLD A650	25N			E63-B	38N		278
A 650L		J41-P*	22N		280	TB7- 6C	19N	42	33
A 650R		J41-N*	22N		280	TB7- 5C	19N	42	33
A 651	1	J41-U*	22N		280	J44-T	22N		274
A 652	1	J41-V*	22N		280	J44-W	22N		274
A 653	1	J41-W*	22N		280	J44-X	22N		274
A 654	3	J42-B	22N		279	E63-B	38N		278
A 655	10		180	150 50 64 56 5			250	220 52	7A
A 655A	2	SHLD A655	25N			E63-B	38N		278
A 655L		J42-B*	22N		279	J43-S*	22N		275

△3 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
△4 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 101 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT		TERMINATION SPEC ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT		TERMINATION SPEC ITEM NO.	NO.
A 655R		J42-A*	22N		279	J43-R*	22N		275
A 656	10		230	200 50 64 56 5			250	220 52	7A
A 656A	2	SHLD A656	25N			E63-B	38N		278
A 656L		J42-D*	22N		279	J43-U*	22N		275
A 656R		J42-C*	22N		279	J43-T*	22N		275
A 657		DELETED							
A 658	3	K3- 9	31Y	47	50	E87-B	38N		263
A 659	3	J43-G	22N		275	E65-B	38N		276
A 660	3	J43-N	22N		275	E87-B	38N		263
A 661	3	J43-P	22N		275	TB12-40	25N		200
A 662	8		180	150 52 63 55 5			250	220 53	7A
A 662A	2	SHLD A662	25N			E65-B	38N		276
A 662L		J43-S	22N		275	K8-12	31Y	47	39
A 663		DELETED							
A 663A		DELETED							
A 663L		DELETED							
A 663R		DELETED							
A 664	3	J43-V	22N		275	TB14- 8	19N	39	265

△3 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
△4 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 102 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC. ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC. ITEM NO.	TO NO.
A 665 1	J43-W	22N		275	P6-B	31Y 90	114
A 666 8		280 250 52 63 55 5			200 170 53	7A	
A 666A 2	SHLD A666	25N			E65-B	38N	276
A 666W	J43-Y	22N		275	TB13-13F	19N 42	266
A 667 3	J43-Z	22N		275	P6-D	31Y	114
A 668 3	J43-A*	22N		275	E65-B	38N	276
A 669 1	J43-B*	22N		275	P6-W	31Y 90	114
A 670 3	J43-C*	22N		275	X8- 3	31Y 47	39
A 671 1	J43-D*	22N		275	P6-P	31Y 90	114
A 672 1	J43-E*	22N		275	P2-E	31Y 90	119
A 673 1	J43-F*	22N		275	P2-H	31Y 90	119
A 674 3	J43-1*	22N		275	P6-Z	31Y	114
A 675 11		350 300 51 87 88 5			250 220 51	7A	
A 675A 2	SHLD A675	25N			E69-B	38N	276
A 675L	J43-K*	22N		275	X20- 8	31Y 47	178
A 675R	J43-J*	22N		275	X20-14	31Y 47	178
A 676 3	J43-V*	22N		275	P6-A	31Y	114
A 677 1	J44-B	22N		274	TB17- 8C	19N 42	261

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AH | SHEET 103 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC. ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC. ITEM NO.	TO NO.
A 678 7			180 150 52 63 54 5			200 170 53	7A
A 678A 2	SHLD A678	25N			E66-B	38N	273
A 678W	J44-C	22N		274	X30-13	31Y	209
A 679 10		230 200 50 64 56 5				250 220 52	7A
A 679A 2	SHLD A679	25N			E66-B	38N	273
A 679L	J44-E	22N		274	X19- 9	31Y 46	177
A 679R	J44-D	22N		274	X19-13	31Y 47	177
A 680 10		280 250 50 64 56 5				250 220 52	7A
A 680A 2	SHLD A680	25N			E66-B	38N	273
A 680L	J44-G	22N		274	X19- 8	31Y 47	177
A 680R	J44-F	22N		274	X19-14	31Y 47	177
A 681 10		330 300 50 64 56 5				250 220 52	7A
A 681A 2	SHLD A681	25N			E66-B	38N	273
A 681L	J44-J	22N		274	X30- 8	31Y 47	209
A 681R	J44-H	22N		274	X30-14	31Y 47	209
A 682 1	J44-K	22N		274	X20- 7	31Y 47	178
A 683	DELETED						
A 683A	DELETED						

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AH | SHEET 104 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC. ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC. ITEM NO.	TO NO.
A 683W	DELETED						
A 684	DELETED						
A 684A	DELETED						
A 684W	DELETED						
A 685	DELETED						
A 686 1	J44-S	22N		274	P2-C	31Y 90	119
A 687 1	J44-U	22N		274	P2-B	31Y 90	119
A 688 10		280 250 50 64 56 5				250 220 52	7A
A 688A 2	SHLD A688	25N			E63-B	38N	278
A 688L	J42-U*	22N		279	TB17-17C	19N 42	261
A 688R	J42-T*	22N		279	TB17-18C	19N 42	261
A 689 1	J44-Y	22N		274	P6-E	31Y	114
A 690 1	J44-Z	22N		274	P2-P	31Y	119
A 691 9	J44-A*	22N		274	E66-B	38N	273
A 692 1	J44-B*	22N		274	P2-D	31Y	119
A 693 1	J44-C*	22N		274	P2-R	31Y	119
A 694 3	J44-D*	22N		274	P2-S	31Y	119
A 695 3	J44-E*	22N		274	P2-F	31Y	119

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AH | SHEET 105 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC. ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC. ITEM NO.	TO NO.
A 696 3	J44-M*	22N		274	P2-L	31Y 90	119
A 697 1	J44-N*	22N		274	P2-A*	31Y 90	119
A 698 1	J44-P*	22N		274	P2-Z	31Y 90	119
A 699 1	J44-R*	22N		274	P2-N	31Y 90	119
A 700 1	J44-S*	22N		274	P2-M	31Y 90	119
A 701 7		330 300 52 63 54 5				200 170 53	7A
A 701A 2	SHLD A701	25N			E66-B	38N	273
A 701W	J44-AA	22N		274	K27- 1	31Y 47	206
A 702 7		180 150 52 63 54 5				200 170 53	7A
A 702A 2	SHLD A702	25N			E66-B	38N	273
A 702W	J44-BB	22N		274	K20- 1	31Y 47	207
A 703 3	J44-CC	22N		274	K20- 1	31Y 47	178
A 704 3	J44-DD	22N		274	P2-A	31Y 90	119
A 705 3	J45-B	22N		268	E67-B	38N	269
A 706 3	J45-H*	22N		268	E87-B	38N	263
A 707 3	J45-N*	22N		268	E87-B	38N	263
A 708 3	J45-S*	22N		268	TB13-12A	19N 43	264
A 709 10		180 150 50 64 56 5				250 220 52	7A

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AH | SHEET 106 OF 153

CONDUCTOR NUMBER	ITEM NO.	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC.	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC.	ITEM NO.	NO.
A 709A	2	SHLD A709	25N					E67-B	38N			269
A 709L		J45-X*	22N				268	TB17- 6B	19N		42	261
A 709R		J45-W*	22N				268	TB17- 5B	19N		42	261
A 710	10		290	200 50 64 56 5					250	220 52		7A
A 710A	2	SHLD A710	25N					E67-B	38N			269
A 710L		J45-Y*	22N				268	TB11- 5E	19N		42	37
A 710R		J45-Z*	22N				268	TB11- 3E	19N		42	37
A 711	10		280	250 50 64 56 5					250	220 52		7A
A 711A	2	SHLD A711	25N					E67-B	38N			269
A 711L		J45-CC	22N				268	TB17- 2B	19N		42	261
A 711R		J45-BB	22N				268	TB17- 1B	19N		42	261
A 712	10		330	300 50 64 56 5					250	220 52		7A
A 712A	2	SHLD A712	25N					E67-B	38N			269
A 712L		J45-EE	22N				268	TB17- 4B	19N		42	261
A 712R		J45-DD	22N				268	TB17- 3B	19N		42	261
A 713	3	J45-GG	22N				268	TB12-20	25Y			191B
A 714	4	J46-D	28Y		47		267	TB5- 3	19N		40	64
A 715	4	J46-E	28Y		47		267	TB16- 9	19N		40	262

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AH | SHEET 107 OF 153

CONDUCTOR NUMBER	ITEM NO.	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC.	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC.	ITEM NO.	NO.
A 716	6	J46-I	28Y		46		267	TB2- 5	31N		41	96
A 717	6	J46-J	28Y		46		267	TB2- 4	31N		41	97
A 718	5	J46-K	41Y		46		267	TB3- 5	19N		40	74
A 719	5	J46-L	41Y		46		267	TB3- 4	19N		40	75
A 720	5	J46-M	41Y		46		267	TB4- 5	19N		40	85
A 721	5	J46-N	41Y		46		267	TB4- 4	19N		40	86
A 722	6	J46-S	41Y		46		267	TB16-12	31N		41	262
A 723	6	J46-T	41Y		46		267	TB16-14	31N		41	262
A 724	6	J46-U	41Y		46		267	TB14-12	31N		41	265
A 725	6	J46-V	41Y		46		267	TB10- 6	31N		41	34
A 726	6	K1-A 1	31N		41		43	TB2- 1	31N		41	100
A 727	6	K1-A 2	31N		41		40	K2-A 1	31N		41	45
A 728	6	K1-B 1	31N		41		43	TB2- 6	31N		41	94
A 729	3	K1-X 1	19N		45		41	K6- 8	31Y		46	47
A 730	3	K1-X 2	19N		45		41	K6-11	31Y		46	47
A 731	6	K2-A 2	31N		41		45	XF2- 1	31Y			146
A 732	3	K2-X 1	19N		45		51	TB1- 4	25Y			109
A 733	3	K2-X 2	19N		45		44	TB6- 7D	19N		43	38

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AH | SHEET 108 OF 153

CONDUCTOR NUMBER	ITEM NO.	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC.	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC.	ITEM NO.	NO.
A 734	4	K3- 2	31Y		47		50	K6- 9	31Y		47	47
A 735	4	K3- 3	31Y		47		50	XF1- 1	31N			147
A 736	3	K3- 5	31Y		47		50	TB1- 6	25Y			108
A 737	3	K3-11	31Y		47		50	TB6- 7E	19N		43	38
A 738	4	K4- 2	31Y		47		49	E15	25Y			42
A 739	3	K17- 4	31Y		47		175	TB11-20B	19N		43	37
A 740	4	K4- 3	31Y		47		49	XF3- 1	31N			138
A 741	1	K4- 5	31Y		46		49	TB1- 8	25Y			107
A 742	3	K4-11	31Y		47		49	TB6- 8A	19N		43	38
A 743	4	K5- 2	31Y		47		48	K6-12	31Y		47	47
A 744	4	K5- 3	31Y		47		48	XF4- 1	31Y			137
A 745	1	K5- 5	31Y		46		48	TB1-10	25Y			106
A 746	3	K5-11	31Y		47		48	TB6- 8B	19N		43	38
A 747	3	K6- 3	31Y		47		47	TB7-12E	19N		43	33
A 748	3	K6- 4	31Y				47	TB1-20	25Y			104
A 749	4	K6- 6	31Y		47		47	TB5- 1	19N		40	66
A 750	4	K6- 7	31Y		47		47	TB5- 6	19N		40	61
A 751	4	K6- 8	31Y		47		47	TB3- 6	19N		40	73

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AH | SHEET 109 OF 153

CONDUCTOR NUMBER	ITEM NO.	INDIVIDUAL LENGTH	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC.	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC.	ITEM NO.	NO.
A 752	4	K6- 9	31Y		47		47	TB3- 1	19N		40	78
A 753	3	K6-11	31Y				47	TB1-19	19N		43	105
A 754	4	K6-13	31Y		47		47	TB4- 1	19N		40	88
A 755	4	K6-14	31Y		47		47	TB4- 6	19N		40	84
A 756	3	K7- 2	31Y		49		46	TB7-20F	19N		43	33
A 757	3	K7- 4	31Y		49		46	XZ5- 4	31Y		48	205
A 758	3	K8- 4	31Y		46		39	TB1- 2	25Y			110
A 760	1	K8- 8	31Y		46		39	TB6- 6B	19N		42	38
A 761	11		250	220 53 87 86 5					250	220 51		7A
A 761B	2	SHLD A761	25N					E20-B	38N			22
A 761L		K8- 8	31Y				39	TB17-12C	19N		42	261
A 761R		K8-14	31Y		46		39	TB17-11C	19N		42	261
A 762	3	K8-11	31Y		47		39	TB6- 7C	19N		43	38
A 763	3	K17- 2	31Y		47		175	TB7-12D	19N		43	33
A 764	3	K17- 3	31Y		47		175	K19- 4	31Y		46	177
A 765	3	K17- 4	31Y				175	TB12-40	25Y			200
A 766	3	K17-11	31Y		47		175	TB12-39	25Y			201
A 767	12		250	220 90 67 55 5					250	200 51		7A

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR AH | SHEET 110 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT		TERMINATION SPEC	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT		TERMINATION SPEC	ITEM NO.	NO.
A 767A	2	SHLD A767	25N				E68-B	38N			179
A 767L		K18- 1	31Y		47	176	K19-10	31Y		47	177
A 767R		K18- 7	31Y		47	176	K19-12	31Y		47	177
A 768	12		25Q	220 90 67 59 5				25Q	220 51	7A	
A 768A	2	SHLD A768	25N				E68-B	38N			179
A 768L		K18- 2	31Y			176	K29- 2	31Y		47	208
A 768R		K18- 6	31Y			176	K29- 6	31Y		47	208
A 769	12		25Q	220 90 67 59 5				25Q	220 51	7A	
A 769A	2	SHLD A769	25N				E68-B	38N			179
A 769L		K18- 5	31Y		47	176	K19- 5	31Y		47	177
A 769R		K18- 3	31Y		47	176	K19- 3	31Y		47	177
A 770	3	K18- 4	31Y		47	176	TB12- 4	25Y			184
A 771	3	K18-11	31W		47	176	TB7-13C	19N		43	33
A 772	3	K19- 4	31Y			177	K30- 4	31Y		46	209
A 773	3	K19- 9	31Y			177	K30- 9	31Y		47	209
A 774	3	K19-11	31Y		46	177	K30-11	31Y		46	209
A 775	3	K19-11	31Y			177	TB7-13D	19N		43	33
A 776	3	K20- 4	31Y		47	178	TB12- 8	25Y			186

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 111 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT		TERMINATION SPEC	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT		TERMINATION SPEC	ITEM NO.	NO.
A 777	3	K20- 5	31Y			178	K17-11	25Y			175
A 778		DELETED									
A 778A		DELETED									
A 778L		DELETED									
A 778R		DELETED									
A 779	3	K20-11	31Y		47	178	TB7-13E	19N		43	33
A 780	12		25Q	220 90 67 59 5				25Q	220 51	7A	
A 780A	2	SHLD A780	25N				E69-B	38N			181
A 780L		K21- 2	31Y			180	E6	25Y			145
A 780R		K21- 6	31Y			180	XF5- 1	31Y			144
A 781	3	K21- 4	31Y		47	180	TB12-38	25Y			199
A 782	10		25Q	220 50 64 56 5				25Q	220 52	7A	
A 782A	2	SHLD A782	25N				E69-B	38N			181
A 782L		K21- 9	31Y		47	180	TB7-10A	19N		43	33
A 782R		K21-13	31Y		47	180	TB7- 9A	19N		43	33
A 783	3	K21-11	31Y		47	180	TB12-37	25Y			198
A 784	3	K22- 2	31Y		49	202	TB7-20D	19N		43	33
A 785	3	K22- 7	31Y			202	TB13-12F	19N		43	266

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 112 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT		TERMINATION SPEC	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT		TERMINATION SPEC	ITEM NO.	NO.
A 786	3	K23- 2	31Y		49	203	TB7-20B	19N		43	33
A 787	10		25Q	220 50 64 56 5				25Q	220 52	7A	
A 787A	2	SHLD A787	25N				E68-B	38N			179
A 787L		K23- 3	31Y			203	K38-12	31Y			217
A 787R		K23- 5	31Y		49	203	K38-10	31Y			217
A 788	3	K24- 2	31Y		49	204	TB7-20C	19N		43	33
A 789	3	K25- 2	31Y		49	205	TB7-15D	19N		43	33
A 790	3	K27- 2	31Y		47	206	K28- 2	31Y		46	207
A 791	3	K27- 4	31Y		47	206	TB12-12	25Y			188
A 792	3	K27-11	31Y		47	206	TB7-14B	19N		43	33
A 793	3	K28- 2	31Y			207	TB11-20A	19N		43	37
A 794	11		25Q	220 51 87 86 5				25Q	220 51	7A	
A 794A	2	SHLD A794	25N				E68-B	38N			179
A 794L		K24- 3	31Y			204	TB13- 8D	19N		42	266
A 794R		K24- 5	31Y		49	204	TB13- 7D	19N		42	266
A 795	3	K28- 4	31Y		47	207	TB12-14	25Y			189
A 796	3	K28-11	31Y		47	207	TB7-14C	19N		43	33
A 797	11		25Q	220 51 87 86 5				25Q	220 51	7A	

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 113 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT		TERMINATION SPEC	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT		TERMINATION SPEC	ITEM NO.	NO.
A 797A	2	SHLD A797	25N				E68-B	38N			179
A 797L		K29- 1	31Y		47	208	K30-1D	31Y		47	209
A 797R		K29- 7	31Y		47	208	K30-12	31Y		47	209
A 798	11		25Q	220 51 87 86 5				25Q	220 51	7A	
A 798A	2	SHLD A798	25N				E68-B	38N			179
A 798L		K29- 3	31Y		47	208	K30- 3	31Y		47	209
A 798R		K29- 5	31Y		47	208	K30- 5	31Y		47	209
A 799	3	K29- 4	31Y		47	208	TB12- 2	25Y			183
A 800	3	K29-11	31Y		47	208	TB7-13B	19N		43	33
A 801	3	K30- 4	31Y			209	TB12- 6	25Y			185
A 802		DELETED									
A 803		DELETED									
A 804		DELETED									
A 804A		DELETED									
A 804L		DELETED									
A 804R		DELETED									
A 805		DELETED									
A 805A		DELETED									

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 114 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T/S (1)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T/S (1)	TERMINATION SPEC (1) ITEM NO.	NO.
A 805L		DELETED							
A 805R		DELETED							
A 806		DELETED							
A 807		DELETED							
A 807A		DELETED							
A 807L		DELETED							
A 807R		DELETED							
A 808		DELETED							
A 808A		DELETED							
A 808L		DELETED							
A 808R		DELETED							
A 809		DELETED							
A 810	11		250	220 51	87 86 5		250	220 51	7A
A 810A	2	SHLD A810	25W			E69-B	38W		181
A 810L		K20-10	31Y	47	178	TB13-18E	19W	42	266
A 810R		K20-12	31Y	47	178	TB13-17E	19W	42	266
A 811		DELETED							
A 811A		DELETED							

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 115 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T/S (1)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T/S (1)	TERMINATION SPEC (1) ITEM NO.	NO.
A 811L		DELETED							
A 811R		DELETED							
A 812		DELETED							
A 813		DELETED							
A 813A		DELETED							
A 813L		DELETED							
A 813R		DELETED							
A 813Y		DELETED							
A 814		DELETED							
A 815		DELETED							
A 816		DELETED							
A 817		DELETED							
A 818		DELETED							
A 818A		DELETED							
A 818L		DELETED							
A 818R		DELETED							
A 819		DELETED							
A 819A		DELETED							

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 116 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T/S (1)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T/S (1)	TERMINATION SPEC (1) ITEM NO.	NO.
A 819L		DELETED							
A 819R		DELETED							
A 820		DELETED							
A 821		DELETED							
A 821A		DELETED							
A 821L		DELETED							
A 821R		DELETED							
A 822		DELETED							
A 822A		DELETED							
A 822L		DELETED							
A 822R		DELETED							
A 823		DELETED							
A 824		DELETED							
A 825		DELETED							
A 825A		DELETED							
A 825L		DELETED							
A 825R		DELETED							
A 826		DELETED							

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 117 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T/S (1)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T/S (1)	TERMINATION SPEC (1) ITEM NO.	NO.
A 826A		DELETED							
A 826L		DELETED							
A 826R		DELETED							
A 827		DELETED							
A 828		DELETED							
A 829		DELETED							
A 829A		DELETED							
A 829L		DELETED							
A 829R		DELETED							
A 829Y		DELETED							
A 830		DELETED							
A 830A		DELETED							
A 830L		DELETED							
A 830R		DELETED							
A 830Y		DELETED							
A 831		DELETED							
A 832		DELETED							
A 833		DELETED							

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 118 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO	2>	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	3>	T/B	2>	TERMINATION SPEC. 1> ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	3>	T/B	2>	TERMINATION SPEC 1> ITEM NO.	NO.
A 833A			DELETED											
A 833L			DELETED											
A 833R			DELETED											
A 833Y			DELETED											
A 834	3		K38- 1	31Y		49		217	K54-15	31Y		49		241
A 835	3		K38- 2	31Y		49		217	K54- 2	31Y		48		241
A 836	10			250	220	50 64 56 5				250	220	52	7A	
A 836A	2		SHLD A836	25N					E71-B	38N				234
A 836L			K38- 6	31Y		48		217	K41- 6	31Y		49		220
A 836R			K38- 3	31Y		49		217	K41- 3	31Y		49		220
A 837	10			250	220	50 64 56 5				250	220	52	7A	
A 837A	2		SHLD A837	25N					E71-B	38N				234
A 837L			K38- 8	31Y				217	K39- 3	31Y				218
A 837R			K38- 4	31Y				217	K39- 5	31Y		49		218
A 838	10			250	220	50 64 56 5				250	220	52	7A	
A 838A	2		SHLD A838	25N					E71-B	38N				234
A 838L			K38-12	31Y				217	K55- 6	31Y		48		242
A 838R			K38- 9	31Y		49		217	K55- 3	31Y		48		242

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
3> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 119 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO	2>	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	3>	T/B	2>	TERMINATION SPEC. 1> ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	3>	T/B	2>	TERMINATION SPEC 1> ITEM NO.	NO.
A 839	3		K39- 2	31Y		48		218	TB7-20E	19N		43		33
A 840	3		K40- 2	31Y		49		219	TB7-19C	19N		43		33
A 841	10			250	220	50 64 56 5				250	220	52	7A	
A 841A	2		SHLD A841	25N					E71-B	38N				234
A 841L			K40- 6	31Y		49		219	K55- 6	31Y				242
A 841R			K40- 3	31Y		49		219	K55- 3	31Y				242
A 842	10			250	220	50 64 56 5				250	220	52	7A	
A 842A	2		SHLD A842	25N					E71-B	38N				234
A 842L			K40- 7	31Y		49		219	K41- 8	31Y		49		220
A 842R			K40- 4	31Y		49		219	K41- 5	31Y		49		220
A 843	10			250	220	50 64 56 5				250	220	52	7A	
A 843A	2		SHLD A843	25N					E71-B	38N				234
A 843L			K40- 8	31Y		49		219	K54-12	31Y		49		241
A 843R			K40- 5	31Y		49		219	K54- 9	31Y		49		241
A 844	3		K41- 2	31Y		49		220	TB7-19B	19N		43		33
A 845	10			250	220	50 64 56 5				250	220	52	7A	
A 845A	2		SHLD A845	25N					E73-B	38N				236
A 845L			K41- 7	31Y		49		220	K56- 7	31Y		48		243

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
3> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 120 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO	2>	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	3>	T/B	2>	TERMINATION SPEC. 1> ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	3>	T/B	2>	TERMINATION SPEC 1> ITEM NO.	NO.
A 845R			K41- 4	31Y		49		220	K56-10	31Y		49		243
A 846	3		K42-18	31Y		49		221	K43- 1	31Y		48		222
A 847	3		K42- 2	31Y		49		221	K43- 2	31Y		48		222
A 848	3		K43- 1	31Y				222	K59- 1	31Y		48		249
A 849	3		K43- 2	31Y				222	K59- 2	31Y		48		249
A 850	10			250	220	50 64 56 5				250	220	52	7A	
A 850A	2		SHLD A850	25N					E73-B	38N				236
A 850L			K43-14	31Y		49		222	TB17- 2D	19N		42		261
A 850R			K43-17	31Y		49		222	TB17- 1D	19N		42		261
A 851	3		K44-18	31Y		49		223	K45- 1	31Y		49		224
A 852	3		K44- 2	31Y		48		223	K45- 2	31Y		48		224
A 853	3		K44- 2	31Y				223	TB7-18E	19N		43		33
A 854	3		K44- 4	31Y		49		223	K45-15	31Y		49		224
A 855	10			250	220	50 64 56 5				250	220	52	7A	
A 855A	2		SHLD A855	25N					E73-B	38N				236
A 855L			K44-10	31Y				223	K59-16	31Y				249
A 855R			K44- 7	31Y				223	K59-19	31Y				249
A 856	10			250	220	50 64 56 5				250	220	52	7A	

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
3> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 121 OF 153

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO	2>	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	3>	T/B	2>	TERMINATION SPEC. 1> ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	3>	T/B	2>	TERMINATION SPEC 1> ITEM NO.	NO.
A 856A	2		SHLD A856	25N					E73-B	38N				236
A 856L			K44-11	31Y		49		223	TB11-16D	19N		42		37
A 856R			K44- 8	31Y		49		223	TB11-15D	19N		42		37
A 857	10			250	220	50 64 56 5				250	220	52	7A	
A 857A	2		SHLD A857	25N					E73-B	38N				236
A 857L			K44-16	31Y				223	K59-10	31Y				249
A 857R			K44-13	31Y				223	K59-13	31Y				249
A 858	10			250	220	50 64 56 5				250	220	52	7A	
A 858A	2		SHLD A858	25N					E73-B	38N				236
A 858L			K44-17	31Y		49		223	TB11-18D	19N		42		37
A 858R			K44-14	31Y		49		223	TB11-17D	19N		42		37
A 859	10			250	220	50 64 56 5				250	220	52	7A	
A 859A	2		SHLD A859	25N					E73-B	38N				236
A 859L			K45- 7	31Y				224	K59- 4	31Y				249
A 859R			K45- 4	31Y				224	K59- 7	31Y				249
A 860	10			250	220	50 64 56 5				250	220	52	7A	
A 860A	2		SHLD A860	25N					E73-B	38N				236
A 860L			K45- 8	31Y		49		224	K59- 5	31Y		48		249

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
3> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 122 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC. ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC. ITEM NO.	NO.
A 860R		K45- 5	31Y 49	224	K59- 8	31Y 48	249
A 861	10		250 220 50 64 56 5			250 220 52 7A	
A 861A	2	SHLD A861	25N		E73-8	38N	236
A 861L		K45-13	31Y	224	K60-10	31Y	250
A 861R		K45-10	31Y	224	K60-13	31Y	250
A 862	10		250 220 50 64 56 5			250 220 52 7A	
A 862A	2	SHLD A862	25N		E73-8	38N	236
A 862L		K45-14	31Y 49	224	K60-11	31Y 48	250
A 862R		K45-11	31Y 49	224	K60-14	31Y 48	250
A 863	3	K46-18	31Y 49	225	K47- 1	31Y 48	226
A 864	9	K46- 2	31Y 49	225	K47- 2	31Y 48	226
A 865	3	K47- 2	31Y	226	K64- 2	31Y 48	254
A 866	10		250 220 50 64 56 5			250 220 52 7A	
A 866A	2	SHLD A866	25N		E75-8	38N	238
A 866L		K47-14	31Y 49	226	TB17- 4D	19N 42	261
A 866R		K47-17	31Y 49	226	TB17- 3D	19N 42	261
A 867	3	K48-18	31Y 49	227	K49- 1	31Y 49	228
A 868	3	K48- 2	31Y 48	227	K49- 2	31Y 48	228

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE-NONE | REV LTR AH | SHEET 123 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC. ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC. ITEM NO.	NO.
A 869	3	K48- 2	31Y 49	227	TB7-17D	19N 43	33
A 870	3	K48- 4	31Y 49	227	K49-15	31Y 49	228
A 871	10		250 220 50 64 56 5			250 220 52 7A	
A 871A	2	SHLD A871	25N		E75-8	38N	238
A 871L		K48-10	31Y	227	K63-16	31Y	253
A 871R		K48- 7	31Y	227	K63-19	31Y	253
A 872	10		250 220 50 64 56 5			250 220 52 7A	
A 872A	2	SHLD A872	25N		E75-8	38N	238
A 872L		K48-11	31Y 49	227	TB11-12E	19N 42	37
A 872R		K48- 8	31Y 49	227	TB11-11E	19N 42	37
A 873	10		250 220 50 64 56 5			250 220 52 7A	
A 873A	2	SHLD A873			E75-8	38N	238
A 873L		K48-16	31Y	227	K63-10	31Y	253
A 873R		K48-13	31Y	227	K63-13	31Y	253
A 874	10		250 220 50 64 56 5			250 220 52 7A	
A 874A	2	SHLD A874	25N		E75-8	38N	238
A 874L		K48-17	31Y 49	227	TB11-10E	19N 42	37
A 874R		K48-14	31Y 49	227	TB11- 9E	19N 42	37

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE-NONE | REV LTR AH | SHEET 124 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC. ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC. ITEM NO.	NO.
A 875	10		250 220 50 64 56 5			250 220 52 7A	
A 875A	2	SHLD A875	25N		E75-8	38N	238
A 875L		K49- 7	31Y	228	K63- 4	31Y	253
A 875R		K49- 4	31Y	228	K63- 7	31Y	253
A 876	10		250 220 50 64 56 5			250 220 52 7A	
A 876A	2	SHLD A876	25N		E75-8	38N	238
A 876L		K49- 8	31Y 49	228	K63- 5	31Y 48	253
A 876R		K49- 5	31Y 49	228	K63- 8	31Y 48	253
A 877	10		250 220 50 64 56 5			250 220 52 7A	
A 877A	2	SHLD A877	25N		E75-8	38N	238
A 877L		K49-13	31Y	228	K64-10	31Y	254
A 877R		K49-10	31Y	228	K64-13	31Y	254
A 878	10		250 220 50 64 56 5			250 220 52 7A	
A 878A	2	SHLD A878	25N		E75-8	38N	238
A 878L		K49-14	31Y 49	228	K64-11	31Y 48	254
A 878R		K49-11	31Y 49	228	K64-14	31Y 48	254
A 879	3	K50-18	31Y 49	229	K51- 1	31Y 48	230
A 880	3	K50- 2	31Y 49	229	K51- 2	31Y 48	230

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE-NONE | REV LTR AH | SHEET 125 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC. ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC. ITEM NO.	NO.
A 881	10		250 220 50 64 56 5			250 220 52 7A	
A 881A	2	SHLD A881	25N		E75-8	38N	238
A 881L		K50-14	31Y 49	229	TB17- 6D	19N 42	261
A 881R		K50-17	31Y 49	229	TB17- 5D	19N 42	261
A 882	3	K51- 1	31Y	230	K67- 1	31Y 48	257
A 883	3	K51- 2	31Y	230	K68- 2	31Y 48	258
A 884	3	K52-18	31Y 49	231	K53- 1	31Y 49	232
A 885	3	K52- 2	31Y 48	231	K53- 2	31Y 48	232
A 886	3	K52- 2	31Y	231	TB7-16D	19N 43	33
A 887	3	K52- 4	31Y 49	231	K53-15	31Y 49	232
A 888	1	K52-10	31Y 49	231	TB11-14E	19N 42	37
A 889	1	K52- 7	31Y 49	231	K67-19	31Y	257
A 890	10		250 220 50 64 56 5			250 220 52 7A	
A 890A	2	SHLD A890	25N		E76-8	38N	240
A 890L		K52-11	31Y 49	231	K67-17	31Y 48	257
A 890R		K52- 8	31Y 49	231	K67-20	31Y 48	257
A 891	1	K52-13	31Y 49	231	K67-13	31Y	257
A 892	1	K52-16	31Y 49	231	TB11- 8E	19N 42	37

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE-NONE | REV LTR AH | SHEET 126 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC ITEM NO.	NO.
A 893	10		250 220 50 64 56 5			250 220 52 7A	
A 893A	2	SHLD A893	25N		E76-8	38N	240
A 893L		K52-17	31Y 49	231	K67-11	31Y 48	257
A 893R		K52-14	31Y 49	231	K67-14	31Y 48	257
A 894	10		250 220 50 64 56 5			250 220 52 7A	
A 894A	2	SHLD A894	25N		E76-8	38N	240
A 894L		K53- 7	31Y	232	K67- 4	31Y	257
A 894R		K53- 4	31Y	232	K67- 7	31Y	257
A 895	10		250 220 50 64 56 5			250 220 52 7A	
A 895A	2	SHLD A895	25N		E76-8	38N	240
A 895L		K53- 8	31Y 49	232	K67- 5	31Y 48	257
A 895R		K53- 5	31Y 49	232	K67- 8	31Y 48	257
A 896	10		250 220 50 64 56 5			250 220 52 7A	
A 896A	2	SHLD A896	25N		E76-8	38N	240
A 896L		K53-13	31Y	232	K68-10	31Y	258
A 896R		K53-10	31Y	232	K68-13	31Y	258
A 897	10		250 220 50 64 56 5			250 220 52 7A	
A 897A	2	SHLD A897	25N		E76-8	38N	240

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 127 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC ITEM NO.	NO.
A 897L		K53-14	31Y 49	232	K68-11	31Y 48	258
A 897R		K53-11	31Y 49	232	K68-14	31Y 48	258
A 898	3	K54- 2	31Y	241	TB7-19E	19N 43	33
A 899	10		250 220 50 64 56 5			250 220 52 7A	
A 899A	2	SHLD A899	25N		E71-8	38N	234
A 899L		K54- 6	31Y 49	241	K55- 8	31Y 49	242
A 899R		K54- 9	31Y 49	241	K55- 5	31Y 49	242
A 900	10		250 200 50 64 56 5			250 220 52 7A	
A 900A	2	SHLD A900	25N		E71-8	38N	234
A 900L		K54- 8	31Y	241	K55- 7	31Y	242
A 900R		K54- 5	31Y	241	K55- 4	31Y	242
A 901	10		250 220 50 64 56 5			250 220 52 7A	
A 901A	2	SHLD A901	25N		E71-8	38N	234
A 901L		K54-14	31Y 49	241	K56- 7	31Y	243
A 901R		K54-11	31Y 49	241	K56- 4	31Y 48	243
A 902	3	K55- 2	31Y 49	242	TB7-19D	19N 43	33
A 903	3	K56- 2	31Y 49	243	TB7-18B	19N 49	33
A 904	7		250 220 52 43 54 5			200 170 53 7A	

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 128 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC ITEM NO.	NO.
A 904A	2	SHLD A904	25N		E71-8	38N	234
A 904M		K56- 9	31N 49	243	E4	25Y	246
A 905	10		250 220 50 64 56 5			250 220 52 7A	
A 905A	2	SHLD A905	25N		E71-8	38N	234
A 905L		K56- 6	31Y 49	243	E2	25Y	244
A 905R		K56- 9	31Y 49	243	E3	25Y	245
A 906	3	K57-15	31Y 48	247	K58- 1	31Y 49	248
A 907	3	K57- 2	31Y 48	247	TB7-18C	19N 43	33
A 908	3	K57- 2	31Y	247	K58- 2	31Y 49	248
A 909	10		250 220 50 64 56 5			250 220 52 7A	
A 909A	2	SHLD A909	25N		E72-8	38N	235
A 909L		K57- 3	31Y 49	247	K61- 3	31Y 48	251
A 909R		K57- 6	31Y 49	247	K61- 6	31Y 48	251
A 910	10		250 200 50 64 56 5			250 220 52 7A	
A 910A	2	SHLD A910	25N		E72-8	38N	235
A 910L		K57- 5	31Y 49	247	K60-11	31Y	250
A 910R		K57- 8	31Y 49	247	K60-14	31Y	250
A 911	10		250 220 50 64 56 5			250 220 52 7A	

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 129 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TERMINATION SPEC ITEM NO.	NO.
A 911A	2	SHLD A911	25N		E72-8	38N	235
A 911L		K57- 9	31Y 49	247	K61- 9	31Y 48	251
A 911R		K57-12	31Y 49	247	K61-12	31Y 48	251
A 912	10		250 220 50 64 56 5			250 220 52 7A	
A 912A	2	SHLD A912	25N		E72-8	38N	235
A 912L		K57-11	31Y 49	247	K59- 5	31Y	249
A 912R		K57-14	31Y 49	247	K59- 8	31Y	249
A 913	10		250 220 50 64 56 5			250 220 52 7A	
A 913A	2	SHLD A913	25N		E72-8	38N	235
A 913L		K58- 3	31Y 49	248	K62- 3	31Y 48	252
A 913R		K58- 6	31Y 49	248	K62- 6	31Y 48	252
A 914	10		250 220 50 64 56 5			250 220 52 7A	
A 914A	2	SHLD A914	25N		E72-8	38N	235
A 914L		K58- 8	31Y 49	248	K59-11	31Y	249
A 914R		K58- 5	31Y 49	248	K59-14	31Y	249
A 915	10		250 220 50 64 56 5			250 220 52 7A	
A 915A	2	SHLD A915	25N		E72-8	38N	235
A 915L		K58- 9	31Y 49	248	K62- 9	31Y 48	252

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 130 OF 153

GNW WIRING HARNESS A AH 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	(2)	TERMINATION SPEC. (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	(1)	(2)	TERMINATION SPEC. (1) ITEM NO.	NO.
A 915R		K58-12	31Y		49	248	K62-12	31Y		48	252
A 916	10		250	220 50 64 56 5				250	220 52	7A	
A 916A	2	SHLD A916	25N				E72-B	38N			235
A 916L		K58-11	31Y		49	248	K59-17	31Y			249
A 916R		K58-14	31Y		49	248	K59-20	31Y			249
A 917	3	K59- 1	31Y			249	K60- 1	31Y			250
A 918	3	K59- 2	31Y			249	K60- 2	31Y		48	250
A 919	10		250	220 50 64 56 5				250	220 52	7A	
A 919A	2	SHLD A919	25N				E72-B	38N			235
A 919L		K59-11	31Y		48	249	TB11-18E	19N		42	37
A 919R		K59-14	31Y		48	249	TB11-17E	19N		42	37
A 920	10		250	220 50 64 56 5				250	220 52	7A	
A 920A	2	SHLD A920	25N				E72-B	38N			235
A 920L		K59-17	31Y		48	249	TB11-16E	19N		42	37
A 920R		K59-20	31Y		48	249	TB11-15E	19N		42	37
A 921	3	K60- 2	31Y			250	TB7-18D	19N		43	33
A 922	3	K61-15	31Y		49	251	K62- 1	31Y		49	252
A 923	3	K61- 2	31Y		48	251	K62- 2	31Y		49	252

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 131 OF 153

GNW WIRING HARNESS A AH 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	(2)	TERMINATION SPEC. (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	(1)	(2)	TERMINATION SPEC. (1) ITEM NO.	NO.
A 924	5	K61- 2	31Y			251	TB7-17B	19N		43	33
A 925	10		250	220 50 64 56 5				250	220 52	7A	
A 925A	2	SHLD A925	25N				E74-B	38N			237
A 925L		K61- 3	31Y			251	K65- 3	31Y			255
A 925R		K61- 6	31Y			251	K65- 6	31Y			255
A 926	10		250	220 50 64 56 5				250	220 52	7A	
A 926A	2	SHLD A926	25N				E74-B	38N			237
A 926L		K61- 5	31Y		49	251	K64-11	31Y			254
A 926R		K61- 8	31Y		49	251	K64-14	31Y			254
A 927	10		250	220 50 64 56 5				250	220 52	7A	
A 927A	2	SHLD A927	25N				E74-B	38N			237
A 927L		K61- 9	31Y			251	K65- 9	31Y			255
A 927R		K61-12	31Y			251	K65-12	31Y			255
A 928	10		250	220 50 64 56 5				250	220 52	7A	
A 928A	2	SHLD A928	25N				E74-B	38N			237
A 928L		K61-11	31Y		49	251	K68- 3	31Y			253
A 928R		K61-14	31Y		49	251	K63- 8	31Y			253
A 929	10		250	220 50 64 56 5				250	220 52	7A	

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 132 OF 153

GNW WIRING HARNESS A AH 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	(2)	TERMINATION SPEC. (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	(1)	(2)	TERMINATION SPEC. (1) ITEM NO.	NO.
A 929A	2	SHLD A929	25N				E74-B	38N			237
A 929L		K62- 3	31Y			252	K66- 3	31Y			256
A 929R		K62- 6	31Y			252	K66- 6	31Y			256
A 930	10		250	220 50 64 56 5				250	220 52	7A	
A 930A	2	SHLD A930	25N				E74-B	38N			237
A 930L		K62- 8	31Y		49	252	K63-11	31Y		48	253
A 930R		K62- 5	31Y		49	252	K63-14	31Y		48	253
A 931	10		250	220 50 64 56 5				250	220 52	7A	
A 931A	2	SHLD A931	25N				E74-B	38N			237
A 931L		K62- 9	31Y			252	K66- 9	31Y			256
A 931R		K62-12	31Y			252	K66-12	31Y			256
A 932	10		250	220 50 64 56 5				250	220 52	7A	
A 932A	2	SHLD A932	25N				E74-B	38N			237
A 932L		K62-11	31Y		49	252	K63-17	31Y		48	253
A 932R		K62-14	31Y		49	252	K63-20	31Y		48	253
A 933	3	K63- 1	31Y		48	253	K64- 1	31Y			254
A 934	3	K63- 2	31Y		48	253	K64- 2	31Y			254
A 935	3	K63- 2	31Y			253	TB7-17C	19N		43	33

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 133 OF 153

GNW WIRING HARNESS A AH 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	(2)	TERMINATION SPEC. (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	(1)	(2)	TERMINATION SPEC. (1) ITEM NO.	NO.
A 936	10		250	220 50 64 56 5				250	220 52	7A	
A 936A	2	SHLD A936	25N				E74-B	38N			237
A 936L		K63-11	31Y			253	TB11-10D	19N		42	37
A 936R		K63-14	31Y			253	TB11- 9D	19N		42	37
A 937	10		250	220 50 64 56 5				250	220 52	7A	
A 937A	2	SHLD A937	25N				E74-B	38N			237
A 937L		K63-	31Y			253	TB11-12D	19N		42	37
A 937R		K63-20	31Y			253	TB11-11D	19N		42	37
A 938	3	K65-15	31Y		49	255	K66- 1	31Y		49	256
A 939	3	K65- 2	31Y		48	255	K66- 2	31Y		49	256
A 940	3	K65- 2	31Y			255	TB7-17E	19N		43	33
A 941	10		250	220 50 64 56 5				250	220 52	7A	
A 941A	2	SHLD A941	25N				E76-B	38N			240
A 941L		K65- 5	31Y		49	255	K68-14	31Y			258
A 941R		K65- 8	31Y		49	255	K68-11	31Y			258
A 942	10		250	220 50 64 56 5				250	220 52	7A	
A 942A	2	SHLD A942	25N				E76-B	38N			240
A 942L		K65-11	31Y		49	255	K67- 5	31Y			257

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 134 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	(2)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	(2)	TERMINATION SPEC (1) ITEM NO.	NO.
A 942R		K65-14	31Y		49	255	K67- 8	31Y			257
A 943	10		250	220 50 64 56 5				250	220 52	7A	
A 943A	2	SHLD A943	25N				E76-B	38N			240
A 943L		K66- 5	31Y		49	256	K67-11	31Y			257
A 943R		K66- 8	31Y		49	256	K67-14	31Y			257
A 944	10		250	220 50 64 56 5				250	220 52	7A	
A 944A	2	SHLD A944	25N				E76-B	38N			240
A 944L		K66-11	31Y		49	256	K67-17	31Y			257
A 944R		K66-14	31Y		49	256	K67-20	31Y			257
A 945	3	K67- 1	31Y			257	K68- 1	31Y			258
A 946	3	K67- 2	31Y		48	257	K68- 2	31Y			258
A 947	3	K67- 2	31Y			257	TB7-16C	19N	43		33
A 948	1	K67-10	31Y			257	TB11- 8D	19N	42		37
A 949	1	K67-16	31Y			257	TB11-14D	19N	42		37
A 950	3	P1-A	22N			118	K7- 7	31Y	49		46
A 951	3	P1-B	31Y		90	118	TB7-16B	19N	43		33
A 952	1	P1-C	31Y		90	118	K25- 8	31Y	49		205
A 953	1	P1-D	22N			118	TB1-22	25Y			103

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 135 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	(2)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	(2)	TERMINATION SPEC (1) ITEM NO.	NO.
A 954	1	P1-U	22N		88 89	118	K25- 4	31Y			205
A 955	1	P1-U	22N			118	P4-F	22N			117
A 956	1	P1-V	31Y		90	118	K25- 1	31Y		49	205
A 957	1	P1-W	22N		88 89	118	K25- 7	31Y		49	205
A 958	1	P1-X	31Y		90	118	TB7-12B	19N		42	33
A 959	1	P1-W	22N			118	TB1-24	25Y			102
A 960	1	P2-D*	31Y		90	119	K7- 1	31Y		49	46
A 961	1	P4-X	22N			117	P6-D*	22N		88 89	114
A 962	1	P4-D*	31Y		90	117	K8- 2	31Y		47	39
A 963	1	P6-N	22N			114	K8-13	31Y		47	39
A 964	1	P6-D*	22N			114	P8-D*	22N		88 89	115
A 965	1	P8-C*	22N			115	P9-A	22N			116
A 966	1	P8-D*	31Y			115	P10-D*	22N		88 89	112
A 967	1	P10-D*	22N			112	K8- 4	31Y			39
A 969	3	TB1- 1	25Y			111	TB6- 7B	19N		43	38
A 970	3	TB6- 7A	19N		39	38	TB7-15B	19N		43	33
A 971	3	TB7-15C	19N		43	33	TB12- 1	25Y			182
A 972	6	TB8-16	31N		41	34	TB14-16	31N		41	265

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 136 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	(2)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	(2)	TERMINATION SPEC (1) ITEM NO.	NO.
A 973	6	TB8- 2	31N		41	34	TB16-16	31N		41	262
A 974	5	TB8-12	19N		40	34	TB10- 2	19N		40	36
A 975	6	TB8-14	31N		41	34	TB9- 2	31N		41	35
A 976	6	J30-G	41Y		46	314	TB15-16	31N		41	264
A 977	4	XF1- 2	31Y			147	TB5- 7	19N		40	59
A 978	6	XF2- 2	31Y			146	TB5- 8	31		41	57
A 979	4	XF3- 2	31Y			138	TB5- 9	19N		40	55
A 980	4	XF4- 2	31Y			137	TB5-10	19N		40	53
A 981	3	E20-BB	38N			22	E80-B	38N			24
A 982	3	E21-BB	38N			3	E79-B	38N			23
A 983	3	E22-BB	38N			2	E79-B	38N			23
A 984	3	E23-BB	38N			4	E79-B	38N			23
A 985	3	E24-BB	38N			6	E79-B	38N			23
A 986	3	E25-BB	38N			7	E79-B	38N			23
A 987	3	E26-BB	38N			9	E31-B	38N			11
A 988	3	E27-BB	38N			10	E31-B	38N			11
A 989	3	E28-BB	38N			14	E31-B	38N			11
A 990	3	E29-BB	38N			15	E31-B	38N			11

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AM | SHEET 137 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	(2)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	(2)	TERMINATION SPEC (1) ITEM NO.	NO.
A 991	3	E30-BB	38N			13	E31-B	38N			11
A 992	4	E31-BB	38N			11	TB15- 6	31N		40	264
A 993	3	E32-BB	38N			27	E80-B	38N			24
A 994	3	E33-BB	38N			28	E80-B	38N			24
A 995	3	E34-BB	38N			31	E80-B	38N			24
A 996	3	E35-BB	38N			30	E80-B	38N			24
A 997	3	E36-BB	38N			155	E39-B	38N			151
A 998	3	E37-BB	38N			156	E39-B	38N			151
A 999	3	E38-BB	38N			157	E39-B	38N			151
A1000	4	E39-BB	38N			151	TB15- 8	19N		40	264
A1001	4	E40-BB	38N			169	TB15- 9	19N		40	264
A1002	3	E41-BB	38N			170	E40-B	38N			169
A1003	3	E42-BB	38N			171	E40-B	38N			169
A1004	3	E89-B	38N			162	E40-B	38N			169
A1005	3	E90-BB	38N			163	E40-B	38N			169
A1006	3	E45-BB	38N			161	E49-B	38N			164
A1007	3	E46-BB	38N			160	E49-B	38N			164
A1008	3	E47-BB	38N			161	E49-B	38N			164

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 138 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CIRCUIT POINT	CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TERMINATION SPEC	ITEM NO.	NO.	TO CIRCUIT POINT	CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TERMINATION SPEC	ITEM NO.	NO.
A1009	3	E48-BB	38N			167	E49-B	38N			164
A1010	3	E49-BB	38N			164	TB15-10	19N		39	264
A1011	3	E50-BB	38N			312	E81-B	38N			310
A1012	3	E51-BB	38N			313	E81-B	38N			310
A1013	3	E52-BB	38N			308	E81-B	38N			310
A1014	3	E53-BB	38N			309	E81-B	38N			310
A1015	3	E54-BB	38N			305	E81-B	38N			310
A1016	3	E55-BB	38N			306	E82-B	38N			272
A1017	3	E56-BB	38N			302	E88-B	38N			270
A1018	3	E57-BB	38N			299	E64-B	38N			277
A1019	3	E58-BB	38N			297	E64-B	38N			277
A1020	3	E59-BB	38N			296	E82-B	38N			272
A1021	3	E60-BB	38N			294	E82-B	38N			272
A1022	3	E62-BB	38N			292	E88-B	38N			270
A1023	3	E63-BB	38N			278	E64-B	38N			277
A1024	4	E64-BB	38N			277	TB15-11	19N		40	264
A1025	3	E65-BB	38N			276	E88-B	38N			270
A1026	3	E66-BB	38N			273	E88-B	38N			270

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 139 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CIRCUIT POINT	CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TERMINATION SPEC	ITEM NO.	NO.	TO CIRCUIT POINT	CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TERMINATION SPEC	ITEM NO.	NO.
A1027	3	E67-BB	38N			269	E88-B	38N			270
A1028	3	E68-BB	38N			179	E77-B	38N			259
A1029	3	E69-BB	38N			181	E77-B	38N			259
A1030		DELETED									
A1031	3	E71-BB	38N			234	E78-B	38N			239
A1032	3	E72-BB	38N			235	E78-B	38N			239
A1033	3	E73-BB	38N			236	E78-B	38N			239
A1034	3	E74-BB	38N			237	E78-B	38N			239
A1035	3	E75-BB	38N			238	E78-B	38N			239
A1036	3	E76-BB	38N			240	E77-B	38N			259
A1037	4	E77-BB	38N			259	TB15- 7	19N		40	264
A1038	4	E78-BB	38N			239	TB15- 5	19N		40	264
A1039	4	E79-BB	38N			23	TB15- 2	19N		40	264
A1040	4	E80-BB	38N			24	TB15- 4	19N		40	264
A1041	4	E81-BB	38N			310	TB15-12	19N		40	264
A1042	4	E82-BB	38N			272	TB15-13	19N		40	264
A1043		DELETED									
A1044		DELETED									

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 140 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CIRCUIT POINT	CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TERMINATION SPEC	ITEM NO.	NO.	TO CIRCUIT POINT	CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TERMINATION SPEC	ITEM NO.	NO.
A1045		DELETED									
A1046		DELETED									
A1047	4	E87-BB	38N			263	TB16- 6	19N		40	262
A1048	4	X6-10	31Y		47	59	E15	25Y			42
A1049	4	E88-BB	38N			270	TB15-14	19N		40	264
A1051	3	E43-BB	38N			152	E39-B	38N			151
A1052	3	E44-BB	38N			153	E39-B	38N			151
A1053	3	X47- 1	31Y			226	X63- 1	31Y			253
A1054	9		280	250	52 63 55 5			280	250 53		7A
A1054A	2	SHLD A1054	25N				E65-B	38N			276
A1054W		J43-E	22N			275	TB6- 3D	19N		43	38
A1055	10		280	250	50 64 56 5			280	250 52		7A
A1055A	2	SHLD A1055	25N				E33-B	38N			28
A1055L		J10-F*	22N			29	J34-D	22N			301
A1055R		J10-E*	22N			29	J34-C	22N			301
A1056	9		280	250	52 63 54 5			280	250 53		7A
A1056A	2	SHLD A1056	25N				E33-B	38N			28
A1056W		J10-G*	22N			29	XF17- 2	31Y			130

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 141 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CIRCUIT POINT	CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TERMINATION SPEC	ITEM NO.	NO.	TO CIRCUIT POINT	CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TERMINATION SPEC	ITEM NO.	NO.
A1057	7			280	250 52 63 54 5				250 220 53	7A	
A1057A	2	SHLD A1057	25N				E33-B	38N			28
A1057W		J10-H*	22N			29	XF18- 2	31Y			129
A1060	3	E61-BB	38N			271	E82-B	38N			272
A1061	3	J31-D*	22N			311	TB13-16D	19N		43	266
A1062	3	E91-BB	38N			21	E79-B	38N			23
A1063	1	P10-T	22N			112	P11-A	22N			113
A1064	1	P10-U	22N			112	P11-B	22N			113
A1065	1	P10-V	22N			112	P11-C	22N			113
A1066	1	P10-W	22N			112	P11-D	22N			113
A1067	1	P10-X	22N			112	P11-E	22N			113
A1068	1	P10-Y	22N			112	P11-F	22N			113
A1069	1	P10-Z	22N			112	P11-G	22N			113
A1070	1	P10-A*	22N			112	P11-H	22N			113
A1071	1	P10-B*	22N			112	P11-J	22N			113
A1072	1	P10-C*	22N			112	P11-K	22N			113
A1073	4	E92-BB	38N			148	TB16-11	19N		40	262
A1074	3	E93-BB	38N			172	E40-B	38N			169

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 142 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO.	TO NO.
A1075	3	E94-BB	38N	303	E88-B	38N	270
A1076	4	J30-K	41Y 46	314	TB15- 3	19N 40	264
A1077		DELETED					
A1078	3	J9-C	22N	26	J26-C	22N	159
A1083	3	J7-C	22N	20	XF19- 1	31Y	136
A1084	3	J7-D	22N	20	TB7-15E	19N 43	33
A1085	3	TB7- 8D	19N 43	33	K54-16	31Y 48	241
A1086	3	TB7- 8E	19N 43	33	K42-19	31Y 48	221
A1087	3	K42-19	31Y	221	K44-19	31Y 48	223
A1088	3	K44-19	31Y	223	K46-19	31Y 48	225
A1089	3	K46-19	31Y	225	K48-19	31Y 48	227
A1090	3	K48-19	31Y	227	K50-19	31Y 48	229
A1091	3	K50-19	31Y	229	K52-19	31Y 49	231
A1092	3	K54-16	31Y	241	K57-16	31Y 48	247
A1093	3	K57-16	31Y	247	K61-16	31Y 48	251
A1094	3	K61-16	31Y	251	K65-16	31Y 49	255
A1095		DELETED					
A1096		DELETED					

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 143 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO.	TO NO.
A1097	3	TB7-12F	19N 43	33	X2-12	19N 45	44
A1098	3	TB7-11E	19N 43	33	XF19- 2	31Y	136
A1099	3	TB7- 8C	19N 43	33	XF19- 2	31Y	136
A1100		DELETED					
A1101		DELETED					
A1102		DELETED					
A1103		DELETED					
A1104		DELETED					
A1105	3	TB6- 6C	19N 43	38	TB8- 6	19N 39	34
A1106	6	J40-X	41Y 46	290	TB15-15	31N 41	264
A1107	10		230 200 50 64 56 5			250 220 52 7A	
A1107A	2	SHLD A1107	25N		E48-B	38N	167
A1107L		J27-C	22N	168	K21- 3	31Y	180
A1107R		J27-A	22N	168	K21- 5	31Y	180
A1108	10		230 200 50 64 56 5			250 220 52 7A	
A1108A	2	SHLD A1108	25N		E48-B	38N	167
A1108L		J25-C	22N	154	K21- 2	31Y	180
A1108R		J25-A	22N	154	K21- 6	31Y	180

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 144 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO.	TO NO.
A1109		DELETED					
A1109A		DELETED					
A1109L		DELETED					
A1109R		DELETED					
A1110	12		250 220 90 67 55 5			250 220 51 7A	
A1110A	2	SHLD A1110	25N		E24-B	38N	4
A1110L		J3-L	22N	8	J25-J*	22N	154
A1110R		J3-K	22N	8	J25-I*	22N	154
A1111	3	J25-Q*	22N	154	TB12-19	25Y	191C
A1112	3	J42-E*	22N	275	TB12-17	25Y	191A
A1113	3	J43-F	22N	275	K3-10	31Y 47	50
A1114	3	K3- 8	31Y 47	50	K4- 9	31Y 47	49
A1115	3	K4-10	31Y 47	49	TB14-14	19N 39	265
A1116	3	J4-A	22N	12	J22-L	22N	158
A1117	3	J4-D	22N	12	TB13- 9A	19N 43	266
A1118	3	J4-R	22N	12	J22-C	22N	158
A1119	3	J4-LL	22N	12	J33-G	22N	304
A1120	3	J4-MM	22N	12	J33-H	22N	304

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 145 OF 153

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO.	TO NO.
A1121	3	J4-NN	22N	12	J33-E	22N	304
A1122	3	J4-PP	22N	12	J33-F	22N	304
A1123	9		280 250 52 63 55 5			200 170 53 7A	
A1123A	2	SHLD A1123	25N		E33-B	38N	28
A1123M		J10-GG	22N	29	J34-T	22N	301
A1124	3	J10-HH	22N	29	TB17-12D	19N 43	261
A1125	3	J25-N*	22N	154	TB11-19B	19N 43	37
A1126	3	J34-F	22N	301	TB11-19C	19N 43	37
A1127	3	J31-D	22N	311	R2- 1	25Y	317
A1128	3	J31-E	22N	311	TB6- 6D	19N 43	38
A1129	3	J32-D	22N	307	R1- 1	25Y	315
A1130	3	J32-E	22N	307	TB6- 5C	19N 43	38
A1131	9		280 250 52 63 55 5			200 170 53 7A	
A1131A	2	SHLD A1131	25N		E62-B	38N	292
A1131M		J34-N	22N	301	TB17-12A	19N 43	261
A1132	9		280 250 52 63 55 5			200 170 53 7A	
A1132A	2	SHLD A1132	25N		E32-B	38N	27
A1132M		J10-N	22N	29	J34-M	22N	301

1> THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2> DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 146 OF 153

GNW WIRING HARNESS A AH 1900712

CONDUCTOR INDIV DUAL LENGTH NUMBER	ITEM NO.	3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	3	1	2	TERMINATION SPEC 1 ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	3	1	2	TERMINATION SPEC 1 ITEM NO.	NO.
A1133	9			280	250 52 63 55 5					200	170 53		7A	
A1133A	2		SHLD A1133	38N					E65-B	38N				276
A1133W			J43-U	22N				275	K8-1C	31Y	47			39
A1134	9			260	250 52 63 55 5					200	170 53		7A	
A1134A	2		SHLD A1134	25N					E32-B	38N				27
A1134W			J10-M	22N				29	J39-T*	22N				291
A1135	3		R1- 2	25Y				316	TB6- 2C	19N	43			~~30~~
A1136	3		R2- 2	25Y				316	TB6- 3E	19N	43			~~30~~
A1137	3		J11-G	22N				32	E92- 8	38N				148
A1138	12			180	150 90 67 59 5					250	220 51		7A	
A1138A	2		SHLD A1138	25N					E51-B	38N				313
A1138L			J31-LL	22N				311	J35-N*	22N				300
A1138R			J31-KK	22N				311	J35-M*	22N				300
A1139	12			230	200 90 67 59 5					250	220 51		7A	
A1139A	2		SHLD A1139	25N					E57-B	38N				299
A1139L			J35-H*	22N				300	J37-HH	22N				295
A1139R			J35-G*	22N				300	J37-GG	22N				295
A1140	3		J37-JJ	22N				295	K28- 3	31Y				207

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 147 OF 153

GNW WIRING HARNESS A AH 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	3	1	2	TERMINATION SPEC 1 ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	3	1	2	TERMINATION SPEC 1 ITEM NO.	NO.
A1141	3		J31-MM	22N				311	K27- 3	31Y				206
A1142	3		E18	25Y				42	TB11-20C	19N	43			37
A1143	3		J42-D	22N				279	J43-M	22N				275

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR AH | SHEET 148 OF 153

MULTIPLE CONNECTED ITEMS

TERM NO.	REF DESIG	ITEM NO.
1	J1	71
2	E22	36, 38
3	E21	36, 38
4	E23	36, 38
5	J2	18
6	E24	35, 37
7	E25	35, 37
8	J3	19
9	E26	36, 38
10	E27	36, 38
11	E31	36, 38
12	J4	20
13	E30	36, 38
14	E28	36, 38
15	E29	36, 38
16	J5	21
17	J6	22
~~18~~	~~E85~~	~~35, 37~~
~~19~~	~~E86~~	~~35, 37~~
20	J7	23
21	E91	35, 37
22	E20	36, 38

MULTIPLE CONNECTED ITEMS

TERM NO.	REF DESIG	ITEM NO.
23	E79	36, 38
24	E80	36, 38
25	J8	24
26	J9	25
27	E32	36, 38
28	E33	36, 38
29	J10	26
30	E35	35, 37
31	E34	36, 38
32	J11	27
112	P10	78
113	P11	79
114	P6	76
115	P8	80
116	P9	77
117	P4	75
118	P1	73
119	P2	74
148	E92	35, 37
149	J21	28
~~150~~	~~E84~~	~~35, 37~~
151	E39	35, 37

CODE IDENT NO. 99974 | SIZE A | 1900712
SCALE NONE | REV LTR AH | SHEET 149 of 153

MULTIPLE CONNECTED ITEMS

TERM NO.	REF DESIG	ITEM NO.
152	E43	35, 37
153	E44	35, 37
154	J25	30
155	E36	35, 37
156	E37	36, 38
157	E38	35, 37
158	J22	25
159	J26	19
160	E46	35, 37
161	E47	35, 37
161A	E45	35, 37
162	E89	36, 38
163	E90	36, 38
164	E49	35, 37
165	J23	29
167	E48	36, 38
168	J27	26
169	E40	35, 37
170	E41	36, 38
171	E42	36, 38
172	E93	36, 38
173	J24	20

MULTIPLE CONNECTED ITEMS

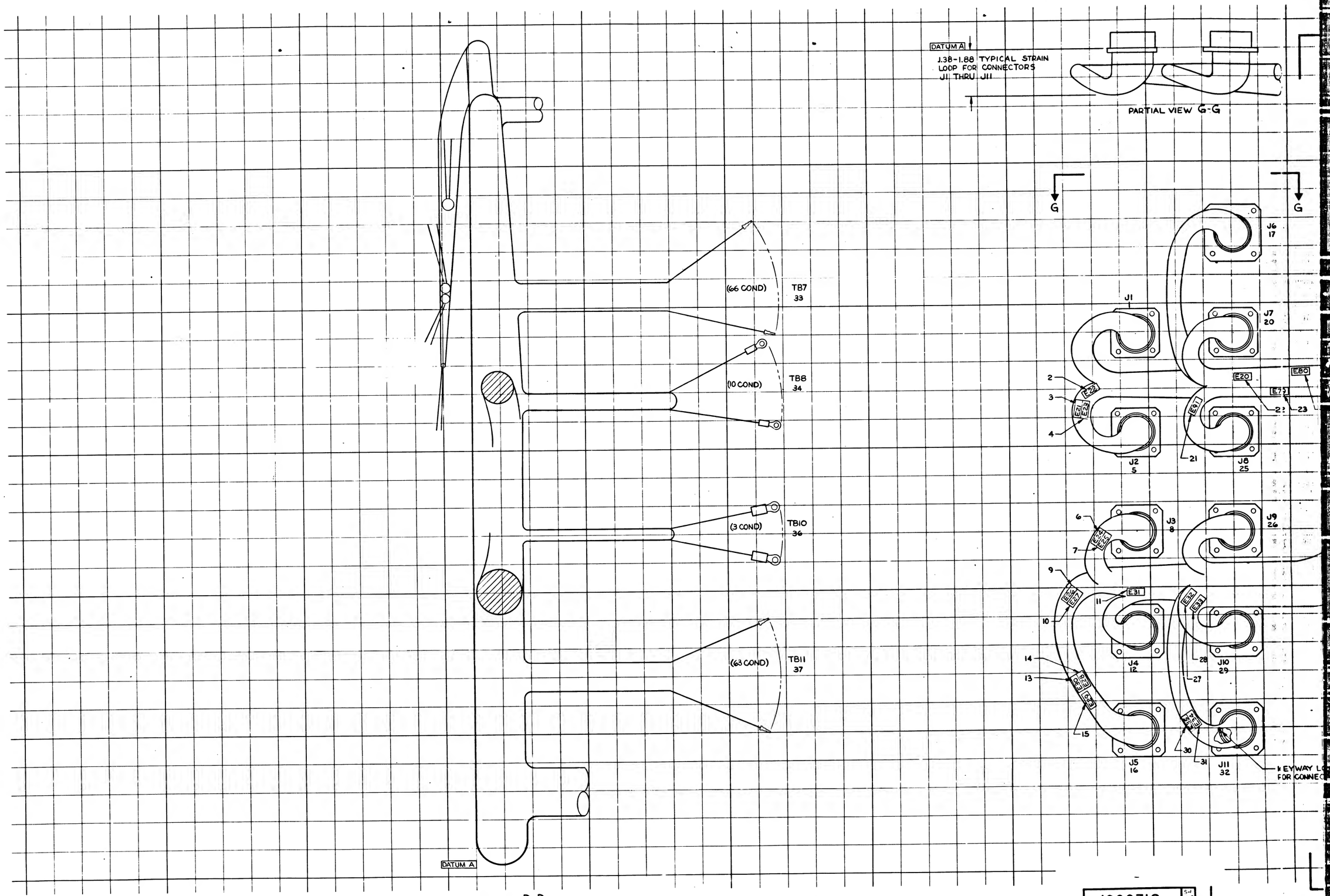
TERM NO.	REF DESIG	ITEM NO.
179	E68	35, 37
181	E69	36, 38
~~233~~	~~F70~~	~~36, 38~~
234	E71	36, 38
235	E72	36, 38
236	E73	36, 38
237	E74	36, 38
238	E75	36, 38
239	E78	36, 38
240	E76	36, 38
259	E77	35, 37
~~260~~	~~E83~~	~~36, 38~~
263	E87	35, 37
267	J46	34
268	J45	71
269	E67	35, 37
270	E88	36, 38
271	E61	35, 37
272	E82	35, 37
273	E66	36, 38
274	J44	32
275	J43	85

CODE IDENT NO 99974 | SIZE A | 1900712
SCALE NONE | REV LTR AH | SHEET 150 of 153

MULTIPLE CONNECTED ITEMS		
TERM NO.	REF DESIG	ITEM NO.
276	E65	36, 38
277	E64	35, 37
278	E63	36, 38
279	J42	30
280	J41	20
290	J40	33
291	J39	29
292	E62	36, 38
293	J38	26
294	E60	36, 38
295	J37	21
296	E59	35, 37
297	E58	36, 38
298	J36	26
299	E57	36, 38
300	J35	25
301	J34	24
302	E56	36, 38
303	E94	36, 38
304	J33	20
305	E54	36, 38
306	E55	36, 38

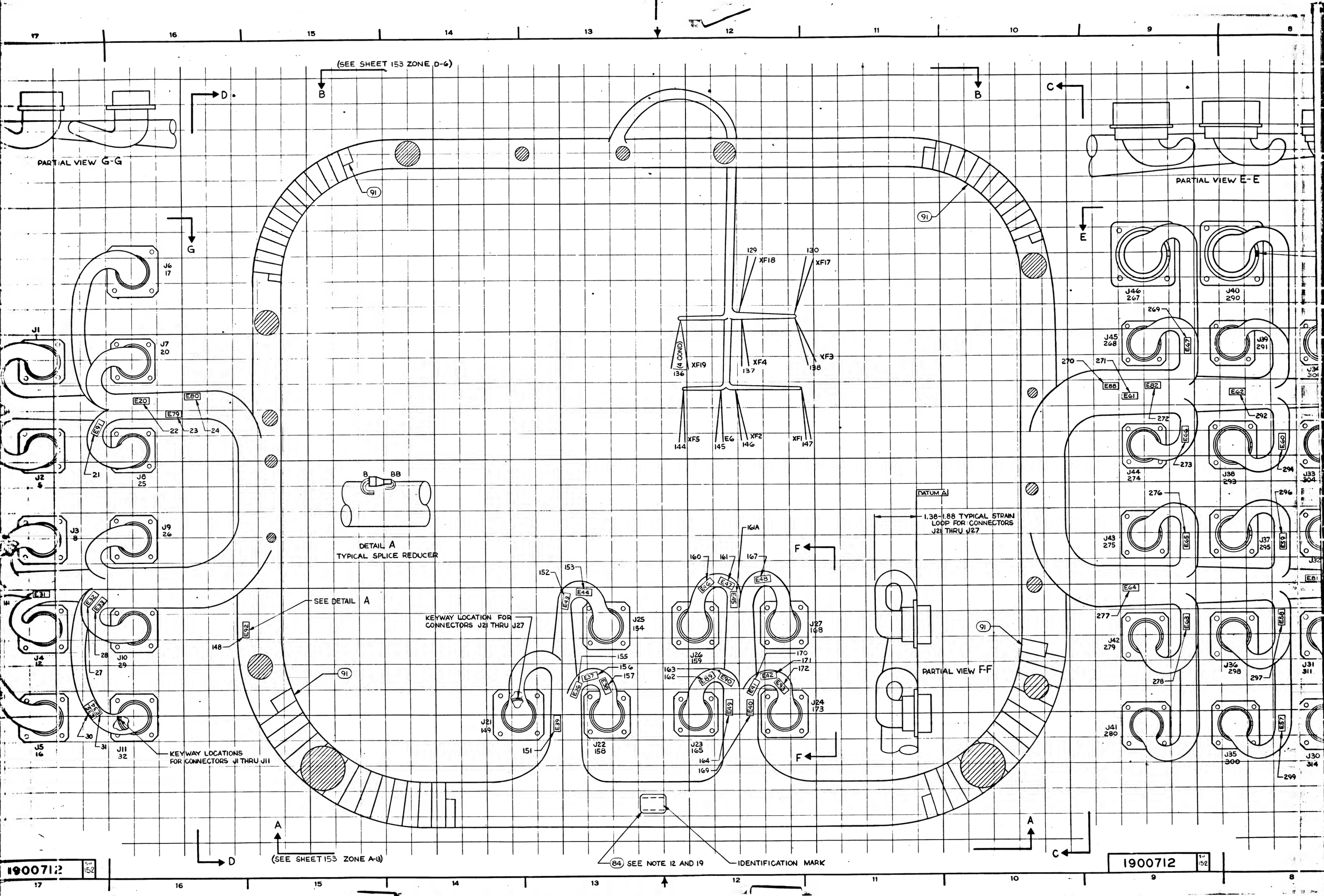
MULTIPLE CONNECTED ITEMS		
TERM NO.	REF DESIG	ITEM NO.
307	J32	19
308	E52	36, 38
309	E53	35, 37
310	E81	36, 38
311	J31	27
312	E50	36, 38
313	E51	35, 37
314	J30	31

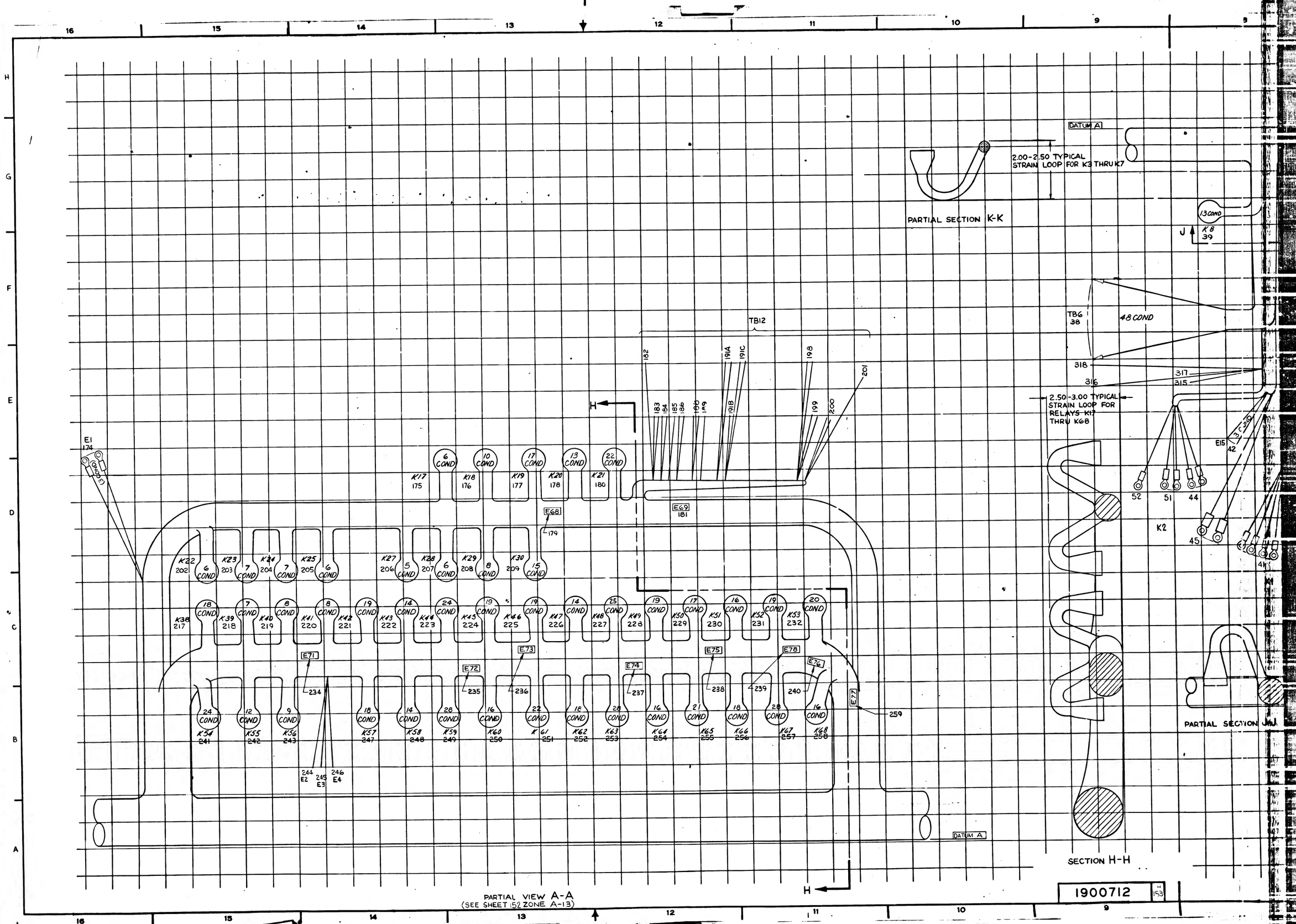
CODE IDENT NO.	SIZE	
99974	A	1900712
SCALE NONE	REV LTR AH	SHEET 151 of 153



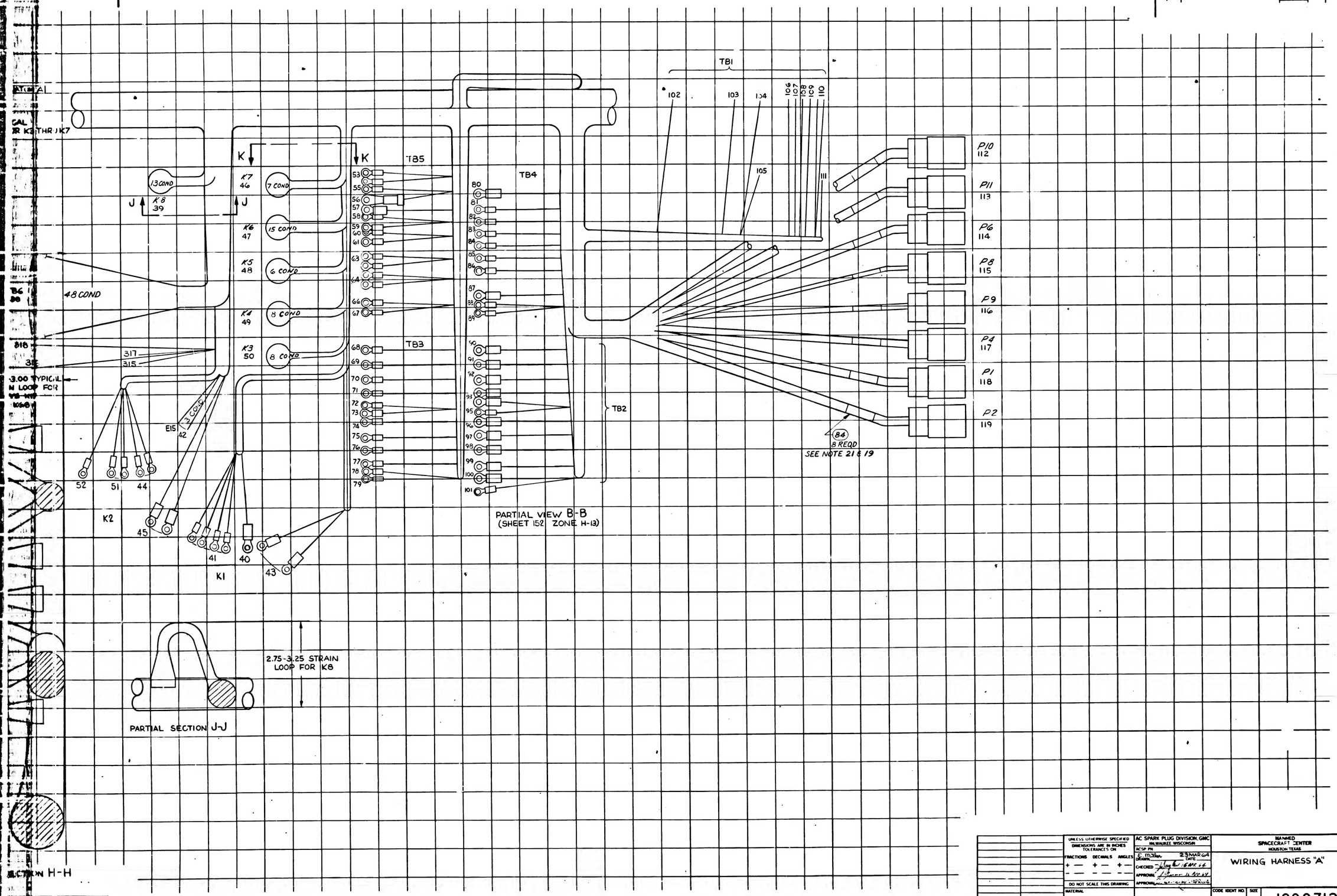
1900712 SH 152

1/1900712


(SEE SHEET 153 ZONE D-6)
PARTIAL VIEW G-G
PARTIAL VIEW E-E
DETAIL A
TYPICAL SPLICE REDUCER
SEE DETAIL A
KEYWAY LOCATION FOR CONNECTORS J21 THRU J27
KEYWAY LOCATIONS FOR CONNECTORS J1 THRU J11
DATUM A
1.38-1.88 TYPICAL STRAIN LOOP FOR CONNECTORS J21 THRU J27
PARTIAL VIEW F-F
(SEE SHEET 153 ZONE A-13)
SEE NOTE 12 AND 19
IDENTIFICATION MARK
(4 COND)
1900712
SH 152


DATUM A
2.00-2.50 TYPICAL STRAIN LOOP FOR K3 THRU K7
PARTIAL SECTION K-K
13 COND
K8
39
J
TB6
38
48 COND
318
316
317
315
2.50-3.00 TYPICAL STRAIN LOOP FOR RELAYS K17 THRU K68
E15
42
3 COND
52
51
44
K2
45
41
PARTIAL SECTION J-J
TB12
182
183
184
185
186
188
189
191A
191B
191C
198
199
200
201
H
E1
174
(GROUND)
6 COND
K17
175
10 COND
K18
176
17 COND
K19
177
13 COND
K20
178
22 COND
K21
180
E68
179
E69
181
K22
202
6 COND
K23
203
7 COND
K24
204
7 COND
K25
205
6 COND
K27
206
5 COND
K28
207
6 COND
K29
208
8 COND
K30
209
15 COND
K38
217
18 COND
K39
218
7 COND
K40
219
8 COND
K41
220
8 COND
K42
221
19 COND
K43
222
14 COND
K44
223
24 COND
K45
224
19 COND
K46
225
19 COND
K47
226
14 COND
K48
227
25 COND
K49
228
19 COND
K50
229
17 COND
K51
230
16 COND
K52
231
19 COND
K53
232
20 COND
E71
E72
E73
E74
E75
E76
E78
234
235
236
237
238
239
240
E77
259
K54
241
24 COND
K55
242
12 COND
K56
243
9 COND
K57
247
18 COND
K58
248
14 COND
K59
249
28 COND
K60
250
16 COND
K61
251
22 COND
K62
252
18 COND
K63
253
28 COND
K64
254
16 COND
K65
255
21 COND
K66
256
18 COND
K67
257
28 COND
K68
258
244
E2
245
E3
246
E4
DATUM A
SECTION H-H
PARTIAL VIEW A-A
(SEE SHEET 152 ZONE A-13)
1900712
153

17/1900712



REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPD
		CHG NO		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON
FRACTIONS + — DECIMALS + — ANGLES + —
DO NOT SCALE THIS DRAWING
MATERIAL —
NEXT ASSY | USED ON
APPLICATION
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN E. Mohan DATE 23 MAR 64
CHECKED 16 APR 64
APPROVAL 14 APR 64
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON TEXAS

WIRING HARNESS "A"

CODE IDENT NO | SIZE E | 1900712
SCALE FULL | SHEET 153 OF 153

1900712 | 153

27/1900712

GFA WIRING HARNESS A S 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	(1)	(2)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	(1)	(2)	TERMINATION SPEC (1) ITEM NO.	NO.
A 176	1	J8-V*	22	N		107	K7- 3	31	Y	49	98
A 177	1	J8-X*	22	N		107	J34-N*	22	N		87
A 178	1	J8-Y*	22	N		107	J34-P*	22	N		87
A 179	1	J8-Z*	22	N		107	J34-R*	22	N		87
A 180	1	J8-AA	22	N		107	J34-V*	22	N		87
A 181	1	J8-BB	22	N		107	J34-K	22	N		87
A 182	1	J8-CC	22	N		107	J34-HH	22	N		87
A 183	1	J8-DD	22	N		107	J39-A*	22	N		86
A 184	7		180	150 52 62 54 5				200	170 53	7A	
A 184A	2	SHLD A184	25	M			E91-B	38	M		186
A 184W		J8-EE	22	N		107	J39-D*	22	N		86
A 185	1	J8-FF	22	N		107	J39-R*	22	N		86
A 186	1	J8-GG	22	N		107	J39-U*	22	N		86
A 187	7		230	200 52 62 54 5				200	170 53	7A	
A 187A	2	SHLD A187	25	M			E91-B	38	M		186
A 187W		J8-HH	22	N		107	J39-X*	22	N		86
A 188	1	J8-J	22	N		107	J39-Y*	22	N		86
A 189	1	J8-K	22	N		107	J39-Z*	22	N		86

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 36 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	(1)	(2)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	(1)	(2)	TERMINATION SPEC (1) ITEM NO.	NO.
A 190	7		280	250 52 62 54 5				200	170 53	7A	
A 190A	2	SHLD A190	25	M			E91-B	38	M		186
A 190W		J8-L	22	N		107	J39-AA	22	N		86
A 191	7		330	300 52 62 54 5				200	170 53	7A	
A 191A	2	SHLD A191	25	M			E91-B	38	M		186
A 191W		J8-M	22	N		107	J45-FF	22	N		85
A 192	1	J8-N	22	N		107	J39-FF	22	N		86
A 193	3	J9-Y	22	N		108	K65- 1	31	Y	48	50
A 194	1	J9-Z	22	N		108	J27-X*	22	N		78
A 195	3	J9-A*	22	N		108	K23- 9	31	Y	49	9
A 196	3	J9-B*	22	N		108	K23- 1	31	Y	49	9
A 197	3	J9-C*	22	N		108	K24- 1	31	Y	49	10
A 198	3	J9-D*	22	N		108	K24- 6	31	Y	49	10
A 199	3	J9-E*	22	N		108	K39- 6	31	Y	49	24
A 200	3	J9-F*	22	N		108	K39- 1	31	Y	49	24
A 201	3	J9-G*	22	N		108	K22- 3	31	Y	49	8
A 202	3	J9-H*	22	N		108	K22- 1	31	Y	49	8
A 203	3	J9-J*	22	N		108	K55- 1	31	Y	49	40

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 37 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	(1)	(2)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	(1)	(2)	TERMINATION SPEC (1) ITEM NO.	NO.
A 204	3	J9-K*	22	N		108	K40- 1	31	Y	49	25
A 205	3	J9-M*	22	N		108	K41- 1	31	Y	49	26
A 206	3	J9-N*	22	N		108	K56- 1	31	Y	49	41
A 207	3	J9-P*	22	N		108	K57- 1	31	Y	48	42
A 208	3	J9-Q*	22	N		108	K42- 1	31	Y	48	27
A 209	3	J9-R*	22	N		108	K44- 3	31	Y	49	29
A 210	3	J9-S*	22	N		108	K44- 1	31	Y	49	29
A 211	3	J9-T*	22	N		108	K61- 1	31	Y	48	46
A 212	3	J9-U*	22	N		108	K46- 1	31	Y	48	31
A 213	3	J9-V*	22	N		108	K48- 3	31	Y	49	33
A 214	3	J9-W*	22	N		108	K48- 1	31	Y	48	33
A 215	3	J9-X*	22	N		108	K50- 1	31	Y	48	35
A 216	3	J9-Y*	22	N		108	K52- 3	31	Y	49	37
A 217	3	J9-Z*	22	N		108	K52- 1	31	Y	48	37
A 218	3	J9-AA	22	N		108	K33- 4	31	Y	47	18
A 219	3	J9-BB	22	N		108	K33-11	31	Y	47	18
A 220	3	J9-CC	22	N		108	K36- 4	31	Y	47	21
A 221	3	J9-DD	22	N		108	K31- 4	31	Y	46	16

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 38 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	(1)	(2)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (3)	(1)	(2)	TERMINATION SPEC (1) ITEM NO.	NO.
A 222	3	J9-EE	22	N		108	K31-11	31	Y	46	16
A 223	3	J9-FF	22	N		108	T812-38	25	Y		7
A 224	3	J9-GG	22	N		108	T812-37	25	Y		7
A 225	1	J9-HH	22	N		108	TB1- 2	25	Y		67
A 226	1	J9-JJ	22	N		108	K7- 8	31	Y	49	58
A 227	3	J9-KK	22	N		108	K54- 1	31	Y	48	39
A 228	1	J9-LL	22	N		108	J27-W	22	N		78
A 229	3	J9-MM	22	N		108	J27-U*	22	N		78
A 231	1	J9-PP	22	N		108	J27-W*	22	N		78
A 232	11		180	150 51 87 86 5				250	220 51	7A	
A 232A	2	SHLD A232	25	M			E32-B	38	M		189
A 232L		J10-D	22	N		109	K42- 8	31	Y	48	27
A 232R		J10-C	22	N		109	K42-11	31	Y	48	27
A 233	11		230	200 51 87 86 5				250	220 51	7A	
A 233A	2	SHLD A233	25	M			E32-B	38	M		189
A 233L		J10-F	22	N		109	K46- 8	31	Y	49	31
A 233R		J10-E	22	N		109	K46-11	31	Y	48	31
A 234	11		480	250 51 87 86 5				250	220 51	7A	

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 39 OF 147

GFA WIRING HARNESS A $ 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (2)	ITEM NO.	TERMINATION SPEC (1)	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (2)	ITEM NO.	TERMINATION SPEC (1)	NO.
A 234A	2	SHLD A234	25N				E32-B	38N			189
A 234L		J10-H	22N			109	K50- 8	31Y	48		35
A 234R		J10-G	22N			109	K50-11	31Y	48		35
A 235	12		33Q	30Q 50 67 59 5				25Q	22Q 51	7A	
A 235A	2	SHLD A235	25N				E32-B	38N			189
A 235L		J10-N	22N			109	TB6- 5C	19N	43		65
A 235R		J10-M	22N			109	TB6- 2C	19N	43		65
A 236	10		18Q	15Q 52 64 56 5				25Q	22Q 52	7A	
A 236A	2	SHLD A236	25N				E32-B	38N			189
A 236L		J10-U	22N			109	K51-14	31Y	48		36
A 236R		J10-T	22N			109	K51-17	31Y	48		36
A 237	10		23Q	20Q 52 64 56 5				25Q	22Q 52	7A	
A 237A	2	SHLD A237	25N				E32-B	38N			189
A 237L		J10-W	22N			109	K46-14	31Y	48		31
A 237R		J10-V	22N			109	K46-17	31Y	48		31
A 238	10		28Q	25Q 52 64 56 5				25Q	22Q 52	7A	
A 238A	2	SHLD A238	25N				E32-B	38N			189
A 238L		J10-Y	22N			109	K42-14	31Y	48		27

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 40 OF 147

GFA WIRING HARNESS A $ 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (2)	ITEM NO.	TERMINATION SPEC (1)	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (2)	ITEM NO.	TERMINATION SPEC (1)	NO.
A 238R		J10-K	22N			109	K42-17	31Y	48		27
A 239	10			52 64 56 5				25Q	22Q 52	7A	
A 239A	2	SHLD A239	25N				E32-B	38N			189
A 239L		J10-N*	22N			109	K68-10	31Y	48		53
A 239R		J10-N*	22N			109	K68-13	31Y	48		53
A 240	10		33Q	30Q 52 64 56 5				25Q	22Q 52	7A	
A 240A	2	SHLD A240	25N				E32-B	38N			189
A 240L		J10-Q*	22N			109	K64-13	31Y	48		49
A 240R		J10-P*	22N			109	K64-10	31Y	48		49
A 241	10		18Q	15Q 52 64 56 5				25Q	22Q 52	7A	
A 241A	2	SHLD A241	25N				E33-B	38N			187
A 241L		J10-S*	22N			109	K45-10	31Y	48		30
A 241R		J10-R*	22N			109	K45-13	31Y	48		30
A 242	10		23Q	20Q 52 64 56 5				25Q	22Q 52	7A	
A 242A	2	SHLD A242	25N				E33-B	38N			187
A 242L		J10-U*	22N			109	K67- 4	31Y	48		52
A 242R		J10-T*	22N			109	K67- 7	31Y	48		52
A 243	10		28Q	25Q 52 64 56 5				25Q	22Q 52	7A	

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 41 OF 147

GFA WIRING HARNESS A $ 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (2)	ITEM NO.	TERMINATION SPEC (1)	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (2)	ITEM NO.	TERMINATION SPEC (1)	NO
A 243A	2	SHLD A243	25N				E33-B	38N			187
A 243L		J10-BB	22N			109	K63- 4	31Y	48		48
A 243R		J10-AA	22N			109	K63- 7	31Y	48		48
A 244	10		33Q	30Q 52 64 56 5				25Q	22Q 52	7A	
A 244A	2	SHLD A244	25N				E33-B	38N			187
A 244L		J10-DD	22N			109	K45- 7	31Y	48		30
A 244R		J10-CC	22N			109	K45- 4	31Y	48		30
A 248	12		33Q	30Q 50 67 59 5				25Q	22Q 51	7A	
A 248A	2	SHLD A248	25N				E33-B	38N			187
A 248L		J10-PP	22N			109	K21- 3	31Y	92		6
A 248R		J10-NN	22N			109	K21- 5	31Y	92		6
A 249	8		18Q	15Q 52 63 55 5				20Q	17Q 53	7A	
A 249A	2	SHLD A249	25N				E34-B	38N			188
A 249W		J11-F	22N			110	J25-P*	22N			76
A 250	1	J11-G	22N			110	E92-B	38N			194
A 251	7		18Q	15Q 52 62 54 5				20Q	17Q 53	7A	
A 251A	2	SHLD A251	25N				E34-B	38N			188
A 251W		J11-H	22N			110	J39-GG	22N			86

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 42 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (2)	ITEM NO.	TERMINATION SPEC (1)	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (2)	ITEM NO.	TERMINATION SPEC (1)	NO.
A 252	1	J11-J	22N			110	E92-B	38N			194
A 255	12		23Q	20Q 50 67 59 5				25Q	22Q 51	7A	
A 255A	2	SHLD A255	25N				E34-B	38N			188
A 255L		J11-P	22N			110	TB7-10C	19N	43		111
A 255R		J11-A	22N			110	TB7- 9C	19N	43		111
A 256	10		28Q	25Q 52 64 56 5				25Q	22Q 52	7A	
A 256A	2	SHLD A256	25N				E34-B	38N			188
A 256L		J11-S	22N			110	K31- 5	31Y	46		16
A 256R		J11-R	22N			110	K31-10	31Y	46		16
A 257	10		33Q	30Q 52 64 56 5				25Q	22Q 52	7A	
A 257A	2	SHLD A257	25N				E34-B	38N			188
A 257L		J11-U	22N			110	K32- 3	31Y	46		17
A 257R		J11-T	22N			110	K32- 5	31Y	46		17
A 258	10		18Q	15Q 52 64 56 5				25Q	22Q 52	7A	
A 258A	2	SHLD A258	25N				E34-B	38N			188
A 258L		J11-W	22N			110	K32-10	31Y	47		17
A 258R		J11-V	22N			110	K32-12	31Y	47		17
A 259	10		23Q	20Q 52 64 56 5				25Q	22Q 52	7A	

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 43 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO.	TO NO.
A 259A	2	SHLD A259	25N		E34-B	38N	188
A 259L		J11-Y	22N	110	K35- 5	31Y 46	20
A 259R		J11-X	22N	110	K35- 3	31Y 46	20
A 260	10		28Q 25Q 52 64 56 5		25Q 22Q 52	7A	
A 260A	2	SHLD A260	25N		E34-B	38N	188
A 260L		J11-B*	22N	110	K35-12	31Y 46	20
A 260R		J11-A*	22N	110	K35-10	31Y 46	20
A 261	3	J5-K	22N	104	TB16- 1	19N 39	122
A 262	1	J8-S	22N	107	J34-DD	22N	87
A 263		DELETED					
A 264	3	J24-E	22N	82	TB13-14F	19N 43	125
A 265	1	J25-K*	22N	76	TB13-10D	19N 42	125
A 266	1	J37-CC	22N	92	TB13-14A	19N 42	125
A 267	6	J21-H	41Y	79	TB4-10	31N 41	561
A 268	12		28Q 25Q 50 67 59 5		25Q 22Q 51	7A	
A 268A	2	SHLD A268	25N		E36-B	38N	148
A 268L		J21-N	25Y	79	TB17-10D	19N 43	121
A 268R		J21-M	25Y	79	TB17- 9D	19N 43	121

1 - THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 - DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 44 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO.	TO NO.
A 269	6	J21-P	41Y	79	TB4- 2	31N 41	568
A 270	10		28Q 25Q 52 64 56 5			28Q 25Q 52 7A	
A 270A	2	SHLD A270	25N		E93-B	38N	161
A 270L		J24-KK	22N	82	TB13-20C	19N 42	125
A 270R		J24-JJ	22N	82	TB13-19C	19N 42	125
A 271	1	J31-K*	22N	96	TB17-13C	19N 42	121
A 272	7		23Q 20Q 52 64 54 5			23Q 20Q 53 7A	
A 272A	2	SHLD A272	25N		E94-B	38N	211
A 272W		J34-A	22N	87	XF17- 1	31Y	126
A 273	7		23Q 20Q 52 62 54 5			20Q 17Q 53 7A	
A 273A	2	SHLD A273	25N		E94-B	38N	211
A 273W		J34-E	22N	87	XF18- 1	31Y	129
A 274	3	J34-G	22N	87	E87-B	38N	195
A 275	3	J34-J	22N	87	E87-B	38N	195
A 276	1	J34-S	22N	87	J44-N	22N	88
A 277	16		28Q 25Q 50 68 60 5			28Q 25Q 51 7A	
A 277A	2	SHLD A277	25N		E57-B	38N	209
A 277L		J35-J	22N	98	TB6-10B	19N 43	65

1 - THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 - DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 45 OF 147

GFA WIRING HARNESS A V 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO.	TO NO.
A 277R		J35-K	22N	98	TB6-11B	19N 43	65
A 277Y		J35-H	22N	98	TB6- 9B	19N 43	65
A 278	14		28Q 25Q 52 65 57 5			25Q 22Q 52 7A	
A 278A	2	SHLD A278	25N		E57-B	38N	209
A 278L		J35-T	22N	98	TB6-13B	19N 42	65
A 278R		J35-R	22N	98	TB6-14B	19N 42	65
A 278Y		J35-S	22N	98	TB6-12B	19N 42	65
A 279	1	J11-I*	22N	110	J25-J	22N	76
A 280	10		33Q 30Q 52 64 56 5		25Q 22Q 52	7A	
A 280A	2	SHLD A280	25N		E34-B	38N	188
A 280L		J11-D*	22N	110	K34- 5	31Y 46	19
A 280R		J11-C*	22N	110	K34- 3	31Y 46	19
A 281	14		18Q 15Q 52 65 57 5		25Q 22Q 52	7A	
A 281A	2	SHLD A281	25N		E34-B	38N	188
A 281L		J11-G*	22N	110	K37- 7	31Y 48	22
A 281R		J11-E*	22N	110	K37-10	31Y 48	22
A 281Y		J11-F*	22N	110	K37- 4	31Y 48	22
A 282	5	J11-H*	22N	110	J25-CC	22N	76

1 - THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 - DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR V | SHEET 46 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC ITEM NO.	TO NO.
A 283	1	J11-K*	22N	110	J25-M	22N	76
A 284	1	J11-M*	22N	110	J25-FF	22N	76
A 285	1	J11-N*	22N	110	J25-GG	22N	76
A 286	3	J11-P*	22N	110	J25-S*	22N	76
A 287	3	J11-Q*	22N	110	J25-T*	22N	76
A 288	1	J11-R*	22N	110	J25-Q*	22N	76
A 289	3	J11-S*	22N	110	TB13-12E	19N 43	125
A 290	3	J11-T*	22N	110	E92-B	38N	194
A 291	10		23Q 20Q 52 64 56 5		25Q 22Q 52	7A	
A 291A	2	SHLD A291	25N		E35-B	38N	190
A 291L		J11-V*	22N	110	J25-V*	22N	76
A 291R		J11-U*	22N	110	J25-U*	22N	76
A 292	10		28Q 25Q 52 64 56 5		25Q 22Q 52	7A	
A 292A	2	SHLD A292	25N		E35-B	38N	190
A 292L		J11-X*	22N	110	J25-X*	22N	76
A 292R		J11-W*	22N	110	J25-W*	22N	76
A 293	10		33Q 30Q 52 64 56 5		25Q 22Q 52	7A	
A 293A	2	SHLD A293	25N		E35-B	38N	190

1 - THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 - DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 47 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC. ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC. ITEM NO.	TO NO.
A 293L		J11-Z*	22N	110	J25-Z*	22N	76
A 293R		J11-Y*	22N	110	J25-Y*	22N	76
A 294	3	J11-AA	22N	110	J42-E*	22N	94
A 295	3	J11-BB	22N	110	T614- 6	19N 39	124
A 296	10		18Q 15Q 52 64 56 5			25Q 22Q 52 7A	
A 296A	2	SHLD A296	25N		E35-B	38N	19Q
A 296L		J11-DD	22N	110	J25-H*	22N	76
A 296R		J11-CC	22N	110	J25-G*	22N	76
A 297	1	J11-LL	22N	110	J25-AA	22N	76
A 298	1	J11-MM	22N	110	J25-BB	22N	76
A 299	1	J11-NN	22N	110	J25-DD	22N	76
A 300	1	J11-PP	22N	110	J25-EE	22N	76
A 301	6	J21-A	41Y 46	79	T82- 9	31N 41	57
A 302	6	J21-B	41Y 46	79	T82-10	31N 41	57
A 303	6	J21-C	41Y 46	79	T82- 3	31N 41	57C
A 304	6	J21-D	41Y 46	79	T82- 2	31N 41	57B
A 305	6	J21-E	41Y 46	79	T816- 2	31N 41	122
A 306	6	J21-F	41Y 46	79	T816- 4	31N 41	122

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 48 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC. ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC. ITEM NO.	TO NO.
A 307	6	J21-G	41Y 46	79	TB15- 1	31N 41	123
A 308	4	J21-K	28Y 47	79	TB5- 4	19N 40	54C
A 309	4	J21-L	28Y 47	79	TB5- 3	19N 40	54B
A 310	3	J22-B	22N	80	E37-B	38N	15Q
A 311	10		18Q 15Q 52 64 56 5			25Q 22Q 52 7A	
A 311A	2	SHLD A311	25N		E37-B	38N	15Q
A 311L		J22-K	22N	8J	K67-10	31Y 48	52
A 311R		J22-H	22N	80	K67-13	31Y 48	52
A 312	1	J22-J	22N	8U	TB11- 7F	19N 42	12Q
A 313	10		23Q 20Q 52 64 56 5			25Q 22Q 52 7A	
A 313A	2	SHLD A313	25N		E36-B	38N	14B
A 313L		J22-C*	22N	8U	K44-10	31Y 48	29
A 313R		J22-B*	22N	8U	K44- 7	31Y 48	29
A 314	10		28Q 25Q 52 64 56 5			25Q 22Q 52 7A	
A 314A	2	SHLD A314	25N		E36-B	38N	14B
A 314L		J22-E*	22N	80	K44-16	31Y 48	29
A 314R		J22-D*	22N	8U	K44-13	31Y 48	29
A 315	10		33Q 30Q 52 64 56 5			25Q 22Q 52 7A	

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 49 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC. ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC. ITEM NO.	TO NO.
A 315A	2	SHLD A315	25N		E36-B	38N	14B
A 315L		J22-G*	22N	80	K59- 4	31Y 48	44
A 315R		J22-F*	22N	80	K59- 7	31Y 48	44
A 316	10		18Q 15Q 52 64 56 5			25Q 22Q 52 7A	
A 316A	2	SHLD A316	25N		E36-B	38N	14B
A 316L		J22-I*	22N	8U	K60-10	31Y 48	45
A 316R		J22-H*	22N	80	K60-13	31Y 48	45
A 317	14		23Q 20Q 52 65 57 5			25Q 22Q 52 7A	
A 317A	2	SHLD A317	25N		E37-B	38N	15Q
A 317L		J22-M*	22N	8U	K43- 4	31Y 49	28
A 317R		J22-J*	22N	80	K43-10	31Y 49	28
A 317Y		J22-K*	22N	80	K43- 7	31Y 49	28
A 318	10		28Q 25Q 52 64 56 5			25Q 22Q 52 7A	
A 318A	2	SHLD A318	25N		E37-B	38N	15Q
A 318L		J22-P*	22N	80	K63-16	31Y 48	48
A 318R		J22-N*	22N	80	K63-19	31Y 48	48
A 319	10		33Q 30Q 52 64 56 5			25Q 22Q 52 7A	
A 319A	2	SHLD A319	25N		E37-B	38N	15Q

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 50 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC. ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC. ITEM NO.	TO NO.
A 319L		J22-R*	22N	80	K63-10	31Y 48	48
A 319R		J22-Q*	22N	80	K63-13	31Y 48	48
A 320	10		18Q 15Q 52 64 56 5			25Q 22Q 52 7A	
A 320A	2	SHLD A320	25N		E37-B	38N	15Q
A 320L		J22-T*	22N	80	K49- 7	31Y 48	34
A 320R		J22-S*	22N	80	K49- 4	31Y 48	34
A 321	10		23Q 20Q 52 64 56 5			25Q 22Q 52 7A	
A 321A	2	SHLD A321	25N		E37-B	38N	15Q
A 321L		J22-V*	22N	80	K49-13	31Y 48	34
A 321R		J22-U*	22N	8U	K49-10	31Y 48	34
A 322	1	J22-Y*	22N	80	TB11-13F	19N 42	12Q
A 323	10		28Q 25Q 52 64 56 5			25Q 22Q 52 7A	
A 323A	2	SHLD A323	25N		E37-B	38N	15Q
A 323L		J22-Z*	22N	80	K67-16	31Y 48	52
A 323R		J22-X*	22N	80	K67-19	31Y 48	52
A 324	10		33Q 30Q 52 64 56 5			25Q 22Q 52 7A	
A 324A	2	SHLD A324	25N		E38-B	38N	14Q
A 324L		J22-BB	22N	80	K53- 7	31Y 48	38

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 51 OF 147

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.
A 324R		J22-AA	22N			80	K53- 4	31Y	48		38
A 325	10		18Q 15Q 56 64 56 5					25Q 22Q 52		7A	
A 325A	2	SHLD A325	25N				E38-B	38N			149
A 325L		J22-DD	22N			80	K53-13	31Y	48		38
A 325R		J22-CC	22N			80	K53-10	31Y	48		38
A 326	10		23Q 20Q 52 64 56 5					25Q 22Q 52		7A	
A 326A	2	SHLD A326	25N				E38-B	38N			149
A 326L		J22-FF	22N			80	K38-13	31Y			23
A 326R		J22-EE	22N			80	K38-10	31Y			23
A 327	10		28Q 25Q 52 64 56 5					25Q 22Q 52		7A	
A 327A	2	SHLD A327	25N				E38-B	38N			149
A 327L		J22-HH	22N			80	TB13- 8B	19N	42		125
A 327R		J22-GG	22N			80	TB13- 7B	19N	42		125
A 328	10		33Q 30Q 52 64 56 5					25Q 22Q 52		7A	
A 328A	2	SHLD A328	25N				E38-B	38N			149
A 328L		J22-KK	22N			80	K38- 7	31Y			23
A 328R		J22-JJ	22N			80	K38- 4	31Y			23
A 329	10		18Q 15Q 52 64 56 5					25Q 22Q 52		7A	

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 52 OF 147

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.
A 329A	2	SHLD A329	25N				E38-B	38N			149
A 329L		J22-MM	22N			80	K54-13	31Y			39
A 329R		J22-LL	22N			80	K54-10	31Y			39
A 330	10		23Q 20Q 52 64 56 5					25Q 22Q 52		7A	
A 330A	2	SHLD A330	25N				E38-B	38N			149
A 330L		J22-PP	22N			80	K54- 7	31Y			39
A 330R		J22-NN	22N			80	K54- 4	31Y			39
A 331	12		18Q 15Q 50 67 59 5					25Q 22Q 52		7A	
A 331A	2	SHLD A331	25N				E89-B	38N			152
A 331L		J23-B	22N			81	TB13-14D	19N	43		125
A 331R		J23-A	22N			81	TB13-13D	19N	43		125
A 332	3	J23-C	22N			81	E89-B	38N			152
A 333	1	J38-AA	22N			89	TB13-12D	19N	42		125
A 334	14		23Q 20Q 52 65 57 5					25Q 22Q 52		7A	
A 334A	2	SHLD A334	25N				E89-B	38N			152
A 334L		J23-F	22N			81	TB6-13C	19N	42		65
A 334R		J23-E	22N			81	TB6-14C	19N	42		65
A 334Y		J23-G	22N			81	TB6-12C	19N	42		65

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 53 OF 147

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.
A 335	3	J23-H	22N			81	E89-B	38N			152
A 336	12		28Q 25Q 50 67 59 5					25Q 22Q 52		7A	
A 336A	2	SHLD A336	25N				E89-B	38N			152
A 336L		J23-K	22N			81	TB13-18D	19N	43		125
A 336R		J23-J	22N			81	TB13-17B	19N	43		125
A 337	10		33Q 30Q 52 64 56 5					25Q 22Q 52		7A	
A 337A	2	SHLD A337	25N				E89-B	38N			152
A 337L		J23-P	22N			81	J41-M*	22N			97
A 337R		J23-N	22N			81	J41-K*	22N			97
A 338	3	J23-R	22N			81	E89-B				152
A 339	14		18Q 15Q 52 65 57 5					25Q 22Q 52		7A	
A 339A	2	SHLD A339	25N				E90-B	38N			151
A 339L		J23-T	22N			81	J41-T	22N			97
A 339R		J23-S	22N			81	J41-U	22N			97
A 339Y		J23-U	22N			81	J41-S	22N			97
A 340	10		23Q 20Q 52 64 56 5					25Q 22Q 52		7A	
A 340A	2	SHLD A340	25N				E90-B	38N			151
A 340L		J23-W	22N			81	J35-V	22N			98

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 54 OF 147

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT	TERMINATION SPEC	ITEM NO.	NO.
A 340R		J23-V	22N			81	J35-U	22N			98
A 341	10		28Q 25Q 52 64 56 5					25Q 22Q 52		7A	
A 341A	2	SHLD A341	25N				E90-B	38N			151
A 341L		J23-Y	22N			81	J35-X	22N			98
A 341R		J23-X	22N			81	J35-W	22N			98
A 342	16		33Q 30Q 50 68 60 5					25Q 22Q 51		7A	
A 342A	2	SHLD A342	25N				E90-B	38N			151
A 342L		J23-C*	22N			81	TB6-10C	19N	43		65
A 342R		J23-B*	22N			81	TB6-11C	19N	43		65
A 342Y		J23-D*	22N			81	TB6- 9C	19N	43		65
A 343	11		18Q 15Q 51 87 8a 5					25Q 22Q 51		7A	
A 343A	2	SHLD A343	25N				E90-B	38N			151
A 343L		J23-F*	22N			81	J41-W	22N			97
A 343R		J23-E*	22N			81	J41-V	22N			97
A 344	14		23Q 20Q 52 67 57 5					25Q 22Q 52		7A	
A 344A	2	SHLD A344	25N				E90-B	38N			151
A 344L		J23-I*	22N			81	J41-X	22N			97
A 344R		J23-G*	22N			81	J41-Y	22N			97

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 55 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	FROM TERMINATION SPEC (1) ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	TO TERMINATION SPEC (1) ITEM NO.	TO NO.
A 344Y		J23-H*	22N	81	J41-Z	22N	97
A 345	10		280 250 52 64 56 5			250 220 52 7A	
A 345A	2	SHLD A345	25N		E90-B	38N	151
A 345L		J23-K*	22N	81	TB7- 4B	19N 42	111
A 345R		J23-J*	22N	81	TB7- 3B	19N 42	111
A 346	10		330 300 52 64 56 5			250 220 52 7A	
A 346A	2	SHLD A346	25N		E90-B	38N	151
A 346L		J23-N*	22N	81	TB13- 5A	19N 42	125
A 346R		J23-M*	22N	81	TB13- 4A	19N 42	125
A 347	10		180 150 52 64 56 5			250 220 52 7A	
A 347A	2	SHLD A347	25N		E90-B	38N	151
A 347L		J23-S*	22N	81	TB6- 4A	19N 42	65
A 347R		J23-R*	22N	81	TB6- 1A	19N 42	65
A 348	3	J23-T*	22N	81	E84-B	N	162
A 349	16		230 200 50 68 60 5			250 220 51 7A	
A 349A	2	SHLD A349	25N		E42-B	38N	160
A 349L		J24-B	22N	82	J35-G	22N	98
A 349R		J24-A	22N	82	J35-E	22N	98

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 56 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	FROM TERMINATION SPEC (1) ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	TO TERMINATION SPEC (1) ITEM NO.	TO NO.
A 349Y		J24-C	22N	82	J35-F	22N	98
A 350	9		280 250 52 63 55 5			200 170 53 7A	
A 350A	2	SHLD A350	25N		E41-B	38N	158
A 350W		J24-D	22N	82	J44-V	22N	88
A 351	14		330 300 52 65 57 5			250 220 52 7A	
A 351A	2	SHLD A351	25N		E41-B	38N	158
A 351L		J24-G	22N	82	J35-V*	22N	98
A 351R		J24-F	22N	82	J35-W*	22N	98
A 351Y		J24-H	22N	82	J35-X*	22N	98
A 352	10		180 150 52 64 56 5			250 220 52 7A	
A 352A	2	SHLD A352	25N		E41-B	38N	158
A 352L		J24-K	22N	82	TB13-20B	19N 42	125
A 352R		J24-J	22N	82	TB13-19B	19N 42	125
A 353	10		180 150 52 64 56 5			250 220 52 7A	
A 353A	2	SHLD A353	25N		E93-B	38N	161
A 353L		J24-M	22N	82	TB6- 5B	19N 42	65
A 353R		J24-L	22N	82	TB6- 2B	19N 42	65
A 355	3	J24-R	22N	82	E84-B	N	162

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 57 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	FROM TERMINATION SPEC (1) ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	TO TERMINATION SPEC (1) ITEM NO.	TO NO.
A 356	3	J24-S	22N	82	E93-B	38N	161
A 357	3	J24-T	22N	82	E93-B	38N	161
A 358	3	J24-U	22N	82	E93-B	38N	161
A 359	10		230 200 52 64 56 5			250 220 52 7A	
A 359A	2	SHLD A359	25N		E93-B	38N	161
A 359L		J24-Y	22N	82	J42-DD	22N	94
A 359R		J24-Z	22N	82	J42-CC	22N	94
A 360	10		280 250			250 220	
A 360A	2	SHLD A360	25N		E41-B	38N	158
A 360L		J24-B*	22N	82	J42-BB	22N	94
A 360R		J24-A*	22N	82	J42-AA	22N	94
A 361	10		330 300 52 64 56 5			250 220 52 7A	
A 361A	2	SHLD A361	25N		E41-B	38N	158
A 361L		J24-D*	22N	82	J41-Z*	22N	97
A 361R		J24-C*	22N	82	J41-Y*	22N	97
A 362	10		180 150 52 64 56 5			250 220 52 7A	
A 362A	2	SHLD A362	25N		E41-B	38N	158
A 362L		J24-F*	22N	82	TB7- 5A	19N 42	111

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 58 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	FROM TERMINATION SPEC (1) ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	TO TERMINATION SPEC (1) ITEM NO.	TO NO.
A 362R		J24-E*	22N	82	TB7- 6A	19N 42	111
A 363	10		230 200 52 64 56 5			250 220 52 7A	
A 363A	2	SHLD A363	25N		E41-B	38N	158
A 363L		J24-G*	22N	82	TB17-17A	19N 42	121
A 363R		J24-H*	22N	82	TB17-18A	19N 42	121
A 364	11		280 250 51 87 86 5			250 220 51 7A	
A 364A	2	SHLD A364	25N		E41-B	38N	158
A 364L		J24-M*	22N	82	J41-CC	22N	97
A 364R		J24-K*	22N	82	J41-BB	22N	97
A 365	10		330 300 52 64 56 5			250 220 52 7A	
A 365A	2	SHLD A365	25N		E41-B	38N	158
A 365L		J24-P*	22N	82	J42-HH	22N	94
A 365R		J24-N*	22N	82	J42-GG	22N	94
A 366	10		180 150 52 64 56 5			250 220 52 7A	
A 366A	2	SHLD A366	25N		E42-B	38N	160
A 366L		J24-R*	22N	82	J42-EE	22N	94
A 366R		J24-Q*	22N	82	J42-FF	22N	94
A 368	11		230 200 51 87 86 5			250 220 51 7A	

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 59 OF 147

CONDUCTOR NUMBER	ITEM NO.	FROM: CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM: TERMINATION SPEC ITEM NO.	TO: CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO: TERMINATION SPEC ITEM NO.
A 368A	2	SHLD A368	25N	E42-B	38N 160
A 368L		J24-V*	22N	J41-EE	22N 97
A 368R		J24-U*	22N	J41-DD	22N 97
A 369	10	280 250 52 64 56 5		250 220 52 7A	
A 369A	2	SHLD A369	25N	E42-B	38N 160
A 369L		J24-X*	22N	TB13- 5B	19N 42 125
A 369R		J24-W*	22N	TB13- 4B	19N 42 125
A 370	10	330 300 52 64 56 5		250 220 52 7A	
A 370A	2	SHLD A370	25N	E42-B	38N 160
A 370L		J24-Y*	22N	TB7- 3A	19N 42 111
A 370R		J24-Z*	22N	TB7- 4A	19N 42 111
A 371	14	400 350 52 64 56 5		250 220 52 7A	
A 371A	2	SHLD A371	25N	E42-B	38N 160
A 371L		J24-HH	22N	J41-FF	22N 97
A 371R		J24-9B	22N	J41-GG	22N 97
A 372	10	230 200 52 64 56 5		250 220 52 7A	
A 372A	2	SHLD A372	25N	E42-B	38N 160
A 372L		J24-DD	22N	TB13-18C	19N 42 125

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE-NONE | REV LTR S | SHEET 60 OF 147

CONDUCTOR NUMBER	ITEM NO.	FROM: CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM: TERMINATION SPEC ITEM NO.	TO: CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO: TERMINATION SPEC ITEM NO.
A 372R		J24-CC	22N 82	TB13-17C	19N 42 125
A 373	7	230 200 52 62 54 5		250 220 53 7A	
A 373A	2	SHLD A373	25N	E93-B	38N 161
A 373W		J24-AA	22N 82	J41-HH	22N 97
A 375	14	330 300 57 65 52 5		250 220 52 7A	
A 375A	2	SHLD A375	25N	E42-B	38N 160
A 375L		J24-NN	22N 82	J35-FF	22N 98
A 375N		J24-MM	22N 82	J35-EE	22N 98
A 375Y		J24-PP	22N 82	J35-GG	22N 98
A 376	3	J25-B	22N 76	E43-B	22N 145
A 377	7	280 250 52 62 54 5		280 250 53 7A	
A 377A	2	SHLD A377	25N	E44-B	38N 146
A 377W		J25-D	22N 76	J44-F*	22N 88
A 378	7	280 250 52 62 54 5		280 250 53 7A	
A 378A	2	SHLD A378	25N	E44-B	38N 146
A 378W		J25-E	22N 76	J44-G*	22N 88
A 379	7	230 200 52 62 54 5		230 200 53 7A	
A 379A	2	SHLD A379	25N	E44-B	38N 146

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE-NONE | REV LTR S | SHEET 61 OF 147

CONDUCTOR NUMBER	ITEM NO.	FROM: CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM: TERMINATION SPEC ITEM NO.	TO: CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO: TERMINATION SPEC ITEM NO.
A 379W		J25-F	22N 76	J44-I*	22N 88
A 380	7	230 200 52 62 54 5		230 200 53 7A	
A 380A	2	SHLD A380	25N	E44-B	38N 146
A 380W		J25-G	22N 76	J44-K*	22N 88
A 381	3	J25-K	22N 76	K34-10	31Y 46 19
A 382	3	J25-L	22N 76	K34-12	31Y 46 19
A 383	12	180 150 50 67 59 5		250 220 51 7A	
A 383A	2	SHLD A383	25N	E43-B	38N 145
A 383L		J25-N	22N 76	K34- 5	31Y 19
A 383R		J25-M	22N 76	K34- 3	31Y 19
A 384	16	230 200 50 68 60 5		250 220 51 7A	
A 384A	2	SHLD A384	25N	E43-B	38N 145
A 384L		J25-S	22N 76	K37- 7	31Y 22
A 384R		J25-P	22N 76	K37-10	31Y 22
A 384Y		J25-R	22N 76	K37- 4	31Y 22
A 385	10	280 250 52 64 56 5		250 220 52 7A	
A 385A	2	SHLD A385	25N	E43-B	38N 145
A 385L		J25-U	22N 76	K35-12	31Y 20

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE-NONE | REV LTR S | SHEET 62 OF 147

CONDUCTOR NUMBER	ITEM NO.	FROM: CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM: TERMINATION SPEC ITEM NO.	TO: CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO: TERMINATION SPEC ITEM NO.
A 385R		J25-T	22N 76	K35-10	31Y 20
A 386	10	330 300 52 64 56 5		250 220 52 7A	
A 386A	2	SHLD A386	25N	E43-B	38N 145
A 386L		J25-W	22N 76	K35- 5	31Y 20
A 386R		J25-V	22N 76	K35- 3	31Y 20
A 387	14	180 150 52 65 57 5		250 220 52 7A	
A 387A	2	SHLD A387	25N	E43-B	38N 145
A 387L		J25-Z	22N 76	K33-10	31Y 47 18
A 387R		J25-X	22N 76	K33- 5	31Y 47 18
A 387Y		J25-Y	22N 76	K33- 3	31Y 47 18
A 388	12	230 200 50 67 59 5		250 220 51 7A	
A 388A	2	SHLD A388	25N	E43-B	38N 145
A 388L		J25-B*	22N 76	K21-10	31Y 47 6
A 388R		J25-A*	22N 76	K21-12	31Y 47 6
A 389	3	J25-C*	22N 76	K8- 5	31Y 46 64
A 390	3	J25-D*	22N 76	K8- 1	31Y 46 64
A 391	11	280 250 51 87 86 5		250 220 51 7A	
A 391A	2	SHLD A391	25N	E44-B	38N 146

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712 | SCALE-NONE | REV LTR S | SHEET 63 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT 2	1	3	4	ITEM NO.	TERMINATION SPEC 1	NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT 2	1	3	4	ITEM NO.	TERMINATION SPEC 1	NO
A 391L		J25-F*	22N						76	K21- 2	31Y				92		6
A 391R		J25-E*	22N						76	K21- 6	31Y				92		6
A 392	1	J25-M*	22N						76	TB13-11D	19N				42		125
A 393	7		33D	30D	52	62	54	5			20D	17D	53			7A	
A 393A	2	SHLD A393	25N							E44-B	38N						146
A 393W		J25-N*	22N						76	J34-F	22N						87
A 394	15		18D	15D	51	66	58	5			25D	22D	51			7A	
A 394A	2	SHLD A394	25N							E44-B	38N						146
A 394L		J25-KK	22N						76	K47- 4	31Y				49		32
A 394R		J25-HH	22N						76	K47-10	31Y				49		32
A 394Y		J25-JJ	22N						76	K47- 7	31Y				48		32
A 395	15		23D	20D	51	66	58	5			25D	22D	51			7A	
A 395A	2	SHLD A395	25N							E44-B	38N						146
A 395L		J25-NN	22N						76	K51- 4	31Y				49		36
A 395R		J25-LL	22N						76	K51-10	31Y				49		36
A 395Y		J25-MM	22N						76	K51- 7	31Y				48		36
A 396	3	J25-PP	22N						76	K22- 7	31Y				48		8
A 397	3	J26-B	22N						77	E47-B	38N						156

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR S | SHEET 64 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT 2	1	3	4	ITEM NO.	TERMINATION SPEC 1	NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT 2	1	3	4	ITEM NO.	TERMINATION SPEC 1	NO
A 398	14		18D	15D	52	65	57	6			25D	22D	52	65	57	6	
A 398A	2	SHLD A398	25N							J26-S	22N						77
A 398B	2	J33-C	22N						90	SHLD A398	25N						
A 398L		J26-H	22N						77	J33-W*	22N						90
A 398R		J26-G	22N						77	J33-V*	22N						90
A 398Y		J26-J	22N						77	J33-X*	22N						90
A 399	14		23D	20D	52	65	57	6			25D	22D	52	65	57	6	
A 399A	2	SHLD A399	25N							J26-A	22N						77
A 399B	2	J38-C	22N						89	SHLD A399	25N						
A 399L		J26-L	22N						77	J38-W*	22N						89
A 399R		J26-K	22N						77	J38-V*	22N						89
A 399Y		J26-M	22N						77	J38-X*	22N						89
A 400	14		28D	25D	52	65	57	6			25D	22D	52	65	57	6	
A 400A	2	SHLD A400	25N							J26-T	22N						77
A 400B	2	J32-C	22N						93	SHLD A400	25N						
A 400L		J26-P	22N						77	J32-W*	22N						93
A 400R		J26-N	22N						77	J32-V*	22N						93
A 400Y		J26-R	22N						77	J32-X*	22N						93

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR S | SHEET 65 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT 2	1	3	4	ITEM NO.	TERMINATION SPEC 1	NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT 2	1	3	4	ITEM NO.	TERMINATION SPEC 1	NO
A 401	12		33D	30D	50	67	59	5			25D	22D	51			7A	
A 401A	2	SHLD A401	25N							E45-B	38N						154
A 401L		J26-V	22N						77	TB7-10J	19N				43		111
A 401R		J26-U	22N						77	TB7- 9B	19N				43		111
A 402	7		18D	15D	52	62	54	5			20D	17D	53			7A	
A 402A	2	SHLD A402	25N							E45-B	38N						154
A 402W		J26-W	22N						77	J44-J*	22N						88
A 403	10		23D	20D	52	64	56	5			25D	22D	52			7A	
A 403A	2	SHLD A403	25N							E47-B	38N						156
A 403L		J26-Z	22N						77	K24- 3	31Y				48		10
A 403R		J26-Y	22N						77	K24- 4	31Y				49		10
A 404	11		28D	25D	51	87	86	5			25D	22D	51			7A	
A 404A	2	SHLD A404	25N							E45-B	38N						154
A 404L		J26-C*	22N						77	K23- 3	31Y				48		9
A 404R		J26-B*	22N						77	K23- 4	31Y				49		9
A 405	11		33D	30D	51	87	86	5			25D	22D	51			7A	
A 405A	2	SHLD A405	25N							E45-B	38N						154
A 405L		J26-E*	22N						77	TB13- 8C	19N				42		125

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR S | SHEET 66 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT 2	1	3	4	ITEM NO.	TERMINATION SPEC 1	NO	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	CIRCUIT POINT 2	1	3	4	ITEM NO.	TERMINATION SPEC 1	NO
A 402R		J26-D*	22N						77	TB13- 7C	19N				42		125
A 406	11		18D	15D	51	87	86	5			25D	22D	51			7A	
A 406A	2	SHLD A406	25N							E45-B	38N						154
A 406L		J26-G*	22N						77	K39- 3	31Y				48		24
A 406R		J26-F*	22N						77	K39- 4	31Y				49		24
A 407	10		23D	20D	52	64	56	5			25D	22D	52			7A	
A 407A	2	SHLD A407	25N							E46-B	38N						153
A 407L		J26-I*	22N						77	K54-14	31Y				48		39
A 407R		J26-H*	22N						77	K54-11	31Y				48		39
A 408	10		28D	25D	52	64	56	5			25D	22D	52			7A	
A 408A	2	SHLD A408	25N							E46-B	38N						153
A 408L		J26-K*	22N						77	K55- 7	31Y				48		40
A 408R		J26-J*	22N						77	K55- 4	31Y				48		40
A 409	10		33D	30D	52	64	56	5			25D	22D	52			7A	
A 409A	2	SHLD A409	25N							E46-B	38N						153
A 409L		J26-N*	22N						77	K60- 4	31Y				49		49
A 409R		J26-M*	22N						77	K60- 7	31Y				49		49
A 410	10		18D	15D	52	64	56	5			25D	22D	52			7A	

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR S | SHEET 67 OF 147

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	3	4	TERMINATION SPEC 1	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	3	4	TERMINATION SPEC 1	ITEM NO.	NO.
A 410A	2	SHLD A410	25N						E46-B	38N					153
A 410L		J26-Q*	22N					77	K43-13	31Y		49			28
A 410R		J26-P*	22N					77	K43-16	31Y		49			28
A 411	14		23Q	20Q	52	65	57	5		25Q	22Q	52		7A	
A 411A	2	SHLD A411	25N						E46-B	38N					153
A 411L		J26-S*	22N					77	K42- 7	31Y		49			27
A 411R		J26-R*	22N					77	K42-10	31Y		49			27
A 411Y		J26-T*	22N					77	K42- 4	31Y		49			27
A 412	10		28Q	25Q	52	64	56	5		25Q	22Q	52		7A	
A 412A	2	SHLD A412	25N						E46-B	38N					153
A 412L		J26-V*	22N					77	K64- 4	31Y		49			49
A 412R		J26-U*	22N					77	K64- 7	31Y		49			49
A 413	10		33Q	30Q	52	64	56	5		25Q	22Q	52		7A	
A 413A	2	SHLD A413	25N						E46-B	38N					153
A 413L		J26-X*	22N					77	K47-13	31Y		49			32
A 413R		J26-W*	22N					77	K47-16	31Y		49			32
A 414	10		18Q	15Q	52	64	56	5		25Q	22Q	52		7A	
A 414A	2	SHLD A414	25N						E47-B	38N					156

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 68 OF 147

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	3	4	TERMINATION SPEC 1	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	3	4	TERMINATION SPEC 1	ITEM NO.	NO.
A 414L		J26-Z*	22N					77	K46-13	31Y		49			31
A 414R		J26-Y*	22N					77	K46-16	31Y		49			31
A 415	14		23Q	20Q	52	65	57	5		25Q	22Q	52		7A	
A 415A	2	SHLD A415	25N						E47-B	38N					156
A 415L		J26-CC	22N					77	K46- 7	31Y		49			31
A 415R		J26-BB	22N					77	K46-10	31Y		49			31
A 415Y		J26-DD	22N					77	K46- 4	31Y		49			31
A 416	10		28Q	25Q	52	64	56	5		25Q	22Q	52		7A	
A 416A	2	SHLD A416	25N						E47-B	38N					156
A 416L		J26-FF	22N					77	K68- 4	31Y		49			53
A 416R		J26-EE	22N					77	K68- 7	31Y		49			53
A 417	10		33Q	30Q	52	64	56	5		25Q	22Q	52		7A	
A 417A	2	SHLD A417	25N						E47-B	38N					156
A 417L		J26-HH	22N					77	K50-13	31Y		49			35
A 417R		J26-GG	22N					77	K50-16	31Y		49			35
A 418	10		18Q	15Q	52	64	56	5		25Q	22Q	52		7A	
A 418A	2	SHLD A418	25N						E47-B	38N					156
A 418L		J26-KK	22N					77	K51-13	31Y		49			36

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 69 OF 147

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	3	4	TERMINATION SPEC 1	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	3	4	TERMINATION SPEC 1	ITEM NO.	NO.
A 418R		J26-JJ	22N					77	K51-16	31Y		49			36
A 419	14		23Q	20Q	52	65	57	5		25Q	22Q	52		7A	
A 419A	2	SHLD A419	25N						E47-B	38N					156
A 419L		J26-MM	22N					77	K50- 7	31Y		49			35
A 419R		J26-LL	22N					77	K50-10	31Y		49			35
A 419Y		J26-NN	22N					77	K50- 4	31Y		49			35
A 420	3	J27-B	22N					78	E48-B	38N					157
A 421	3	J27-M	22N					78	J38-A*	22N					89
A 422	3	J27-N	22N					78	J33-A*	22N					90
A 423	3	J27-P	22N					78	J32-Z	22N					93
A 424	1	J27-S	22N					78	TB17- 8A	19N		42			121
A 425	15		18Q	15Q	51	66	58	5		25Q	22Q	51		7A	
A 425A	2	SHLD A425	25N						E48-B	38N					157
A 425L		J27-V	22N					78	K36- 8	31Y		47			21
A 425R		J27-T	22N					78	K36- 1	31Y		47			21
A 425Y		J27-U	22N					78	K36- 7	31Y		47			21
A 426	1	J27-Y	22N					78	TB7-11C	19N		42			111
A 427	1	J27-Z	22N					78	TB13- 3B	19N		42			125

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 70 OF 147

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	3	4	TERMINATION SPEC 1	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	3	4	TERMINATION SPEC 1	ITEM NO.	NO.
A 428	10		23Q	20Q	52	64	56	5		25Q	22Q	52		7A	
A 428A	2	SHLD A428	25N						E48-B	38N					157
A 428L		J27-B*	22N					78	K21- 3	31Y					6
A 428R		J27-A*	22N					78	K21- 5	31Y					6
A 429	14		28Q	25Q	52	65	57	5		25Q	22Q	52		7A	
A 429A	2	SHLD A429	25N						E48-B	38N					157
A 429L		J27-E*	22N					78	K33- 8	31Y		47			18
A 429R		J27-C*	22N					78	K33- 7	31Y		47			18
A 429Y		J27-D*	22N					78	K33- 1	31Y		47			18
A 430	10		33Q	30Q	52	64	56	5		25Q	22Q	52		7A	
A 430A	2	SHLD A430	25N						E48-B	38N					157
A 430L		J27-G*	22N					78	K35- 7	31Y		46			20
A 430R		J27-F*	22N					78	K35- 1	31Y		46			20
A 431	10		18Q	15Q	52	64	56	5		25Q	22Q	52		7A	
A 431A	2	SHLD A431	25N						E48-B	38N					157
A 431L		J27-I*	22N					78	TB11- 6D	19N		42			120
A 431R		J27-H*	22N					78	TB11- 4D	19N		42			120
A 432	3	J27-J*	22N					78	E87-B	38N					195

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 71 OF 147

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO.
A 433	3	J27-M*	22N			78	K34- 8	31Y	43		19
A 434	5	J27-N*	22N			78	A34-14	31Y	43		19
A 435	6	J27-P*	22N			78	J8-H*	22N			107
A 436	7		28Q 25Q 52 62 54 5					23Q 20Q 53			7A
A 436A	2	SHLD A436	25N				E48-B	38N			157
A 436M		J27-Q*	22N			78	J33-I*	22N			90
A 437	7		28Q 25Q 52 62 54 5					23Q 20Q 53			7A
A 437A	2	SHLD A437	25N				E48-B	38N			
A 437M		J27-R*	22N			78	J38-I*	22N			89
A 438	7		25Q 22Q 52 62 54 5					23Q 20Q 53			7A
A 438A	2	SHLD A438	25N				E48-B	38N			157
A 438M		J27-S*	22N			78	J32-I*	22N			93
A 439	7		25Q 22Q 52 62 54 5					23Q 20Q 53			7A
A 439A	2	SHLD A439	25N				E48-B	38N			157
A 439M		J27-I*	22N			78	J32-A*	22N			93
A 440	1	J27-AA	22N			78	TB13- 6B	19N	42		125
A 441	1	J27-BB	22N			78	TB11- 1B	19N	42		120
A 442	1	J27-CC	22N			78	J45-P*	22N			85

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE NONE | REV LTR T | SHEET 72 OF 147

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO.	TO NO.
A 443	1	J27-DD	22N			78	J45-Q*	22N			85
A 444	1	J27-EE	22N			78	J45-R*	22N			85
A 448	1	J27-KK	22N			78	J39-CC	22N			86
A 449	10		23Q 20Q 52 64 56 5					25Q 22Q 52			7A
A 449A	2	SHLD A449	25N				E48-B	38N			157
A 449L		J27-NN	22N			78	K42-13	31Y	49		27
A 449R		J27-MM	22N			78	K42-16	31Y	49		27
A 450	3	J27-PP	22N			78	K22- 8	31Y	43		8
A 451	5	J30-A	41Y	46		99	TB3- 9	19N	40		551
A 452	5	J30-B	41Y	46		99	TB3-10	19N	40		55
A 453	5	J30-C	41Y	46		99	TB3- 3	19N	40		550
A 454	5	J30-D	41Y	46		99	TB3- 2	19N	40		559
A 455	6	J30-E	41Y	46		99	TB14- 4	31N	41		124
A 456	3	J31-A	22N			96	E83-B	38N			196
A 457	3	J31-B	22N			96	E50-B	38N			218
A 458		DELETED									
A 459	10		18Q 15Q 52 64 56 5					25Q 22Q 52			7A
A 459A	2	SHLD A459	25N				E50-B	38N			218

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE NONE | REV LTR S | SHEET 73 OF 147

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO.	TO NO.
A 459L		J31-Z	22N			96	TB13-16H	19N	42		125
A 459R		J31-Y	22N			96	TB13-15B	19N	42		125
A 460	10		23Q 20Q 52 65 57 5					25Q 22Q 52			7A
A 460A	2	SHLD A460	25N				E50-B	38N			218
A 460L		J31-C*	22N			96	TB13-16E	19N	42		125
A 460R		J31-B*	22N			96	TB13-15E	19N	42		125
A 461	10		28Q 25Q 52 64 56 5					25Q 22Q 52			7A
A 461A	2	SHLD A461	25N				E50-B	38N			218
A 461L		J31-F*	22N			96	TB17-17B	19N	42		121
A 461R		J31-E*	22N			96	TB17-18B	19N	42		121
A 462	10		33Q 30Q 52 64 56 5					25Q 22Q 52			7A
A 462A	2	SHLD A462	25N				E50-B	38N			218
A 462L		J31-H*	22N			96	TB7- 6B	19N	42		111
A 462R		J31-G*	22N			96	TB7- 5B	19N	42		111
A 463	10		18Q 15Q 52 64 56 5					25Q 22Q 52			7A
A 463A	2	SHLD A463	25N				E50-B	38N			218
A 463L		J31-J*	22N			96	TB17-14A	19N	42		121
A 463R		J31-I*	22N			96	TB17-13A	19N	42		121

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE NONE | REV LTR S | SHEET 74 OF 147

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO.	TO NO.
A 464	10		23Q 20Q 52 64 56 5					25Q 22Q 52			7A
A 464A	2	SHLD A464	25N				E50-B	38N			218
A 464L		J31-N*	22N			96	J41-R*	22N			97
A 464R		J31-M*	22N			96	J41-Q*	22N			97
A 465	10		28Q 25Q 52 64 56 5					25Q 22Q 52			7A
A 465A	2	SHLD A465	25N				E50-B	38N			218
A 465L		J31-Q*	22N			96	J41-T*	22N			97
A 465R		J31-P*	22N			96	J41-S*	22N			97
A 466	10		33Q 30Q 52 64 56 5					25Q 22Q 52			7A
A 466A	2	SHLD A466	25N				E50-B	38N			218
A 466L		J31-S*	22N			96	J36-BB	22N			95
A 466R		J31-R*	22N			96	J36-AA	22N			95
A 468	7		18Q 15Q 52 62 54 5					20Q 17Q 53			7A
A 468A	2	SHLD A468	25N				E50-B	38N			218
A 468M		J31-T*	22N			96	J36-CC	22N			95
A 469	10		23Q 20Q 52 64 56 5					25Q 22Q 52			7A
A 469A	2	SHLD A469	25N				E51-B	38N			217
A 469L		J31-V*	22N			96	J42-X*	22N			94

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE NONE | REV LTR S | SHEET 75 OF 147

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	TERMINATION SPEC (1)	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	TERMINATION SPEC (1)	ITEM NO	NO.
A 469R		J31-U*	22N		96	J42-W*	22N		94
A 470	10		280 250 52 64 56 5				250 220 52	7A	
A 470A	2	SHLD A470	25N			E51-B	38N		217
A 470L		J31-X*	22N		96	J42-Z*			94
A 470R		J31-W*	22N		96	J42-Y*			94
A 471	14		330 300 52 65 57 6				250 220 52 65 57 6		
A 471A	2	SHLD A471	25N			J31-C	22N		96
A 471B	2	J36-X	22N		95	SHLD A471	25N		
A 471L		J31-Z*	22N		96	J36-EE	22N		95
A 471R		J31-Y*	22N		96	J36-DD	22N		95
A 471Y		J31-AA	22N		96	J36-FF	22N		95
A 472	10		180 150 52 64 56 5				250 220 52	7A	
A 472A	2	SHLD A472	25N			E51-B	38N		217
A 472L		J31-DD	22N		96	TB17-16C	19N	42	121
A 472R		J31-CC	22N		96	TB17-15C	19N	42	121
A 473	7		230 200 52 62 54 5				200 170 53	7A	
A 473A	2	SHLD A473	25N			E51-B	38N		217
A 473W		J31-EE	22N		96	K27- 3	31Y		12

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 76 OF 147

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	TERMINATION SPEC (1)	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	TERMINATION SPEC (1)	ITEM NO	NO.
A 474	1	J31-FF	22N		96	TB13-14B	19N	42	125
A 476	10		330 300 52 64 56 5				250 220 52	7A	
A 476A	2	SHLD A476	25N			E51-B	38N		217
A 476L		J31-JJ	22N		96	J36-MM	22N		95
A 476R		J31-MM	22N		96	J36-GG	22N		95
A 477	14		180 150 52 65 57 5				250 220 52	7A	
A 477A	2	SHLD A477	25N			E51-B	38N		217
A 477L		J31-LL	22N		96	J35-N*	22N		98
A 477R		J31-KK	22N		96	J35-M*	22N		98
A 477Y		J31-MM	22N		96	J35-P*	22N		98
A 478	11		230 200 51 67 66 5				250 220 51	7A	
A 478A	2	SHLD A478	25N			E51-B	38N		217
A 478L		J31-PP	22N		96	TB6- 5E	19N	42	65
A 478R		J31-NN	22N		96	TB6- 2E	19N	42	65
A 479	3	J32-A	22N		93	E83-B	38N		196
A 480	3	J32-B	22N		93	E52-B	38N		215
A 481		DELETED							
A 482	1	J32-B*	22N		93	TB13-10C	19N	42	125

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 77 OF 147

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	TERMINATION SPEC (1)	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	TERMINATION SPEC (1)	ITEM NO	NO.
A 483	10		180 150 52 64 56 5				250 220 53	7A	
A 483A	2	SHLD A483	25N			E52-B	38N		215
A 483L		J32-D*	22N		93	TB11- 5A	19N	42	120
A 483R		J32-C*	22N		93	TB11- 4A	19N	42	120
A 484	10		230 200 52 64 56 5				250 220 52	7A	
A 484A	2	SHLD A484	25N			E52-B	38N		215
A 484L		J32-F*	22N		93	K51-14	31Y		36
A 484R		J32-E*	22N		93	K51-17	31Y		36
A 485	10		280 250 52 64 56 5				250 220 52	7A	
A 485A	2	SHLD A485	25N			E52-B	38N		215
A 485L		J32-H*	22N		93	TB17- 6C	19N	42	121
A 485R		J32-G*	22N		93	TB17- 5C	19N	42	121
A 486	10		330 300 52 64 56 5				250 220 52	7A	
A 486A	2	SHLD A486	25N			E52-B	38N		215
A 486L		J32-K*	22N		93	K66-10	31Y	49	51
A 486R		J32-J*	22N		93	K66-13	31Y	49	51
A 487	10		180 150 52 64 56 5				250 220 52	7A	
A 487A	2	SHLD A487	25N			E52-B	38N		215

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 78 OF 147

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	TERMINATION SPEC (1)	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	TERMINATION SPEC (1)	ITEM NO	NO.
A 487L		J32-N*	22N		93	K66- 4	31Y	49	51
A 487R		J32-M*	22N		93	K66- 7	31Y	49	51
A 488	10		230 200 52 64 56 5				250 220 52	7A	
A 488A	2	SHLD A488	25N			E52-B	38N		215
A 488L		J32-U*	22N		93	K68- 5	31Y		53
A 488R		J32-P*	22N		93	K68- 8	31Y		53
A 489	10		280 250 52 64 56 5				250 220 52	7A	
A 489A	2	SHLD A489	25N			E52-B	38N		215
A 489L		J32-S*	22N		93	K65-10	31Y	49	50
A 489R		J32-R*	22N		93	K65-13	31Y	49	50
A 490	10		330 300 52 64 56 5				250 220 52	7A	
A 490A	2	SHLD A490	25N			E53-B	38N		214
A 490L		J32-U*	22N		93	K65- 4	31Y	49	50
A 490R		J32-T*	22N		93	K65- 7	31Y	49	50
A 491	10		180 150 52 64 56 5				250 220 52	7A	
A 491A	2	SHLD A491	25N			E53-B	38N		214
A 491L		J32-Z*	22N		93	TB17-20B	19N	42	121
A 491R		J32-Y*	22N		93	TB17-19B	19N	42	121

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 79 OF 147

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO.
A 492	10		280 250 52 64 56 5					280 250 52		7A	
A 492A	2	SHLD A492	25N				E53-B	38N			214
A 492L		J32-CC	22N			93	TB13- 2B	19N		42	125
A 492R		J32-BB	22N			93	TB13- 1B	19N		42	125
A 494	1	J32-DD	22N			93	TB13-11C	19N		42	125
A 495	14		230 200 52 65 57 5					250 220 52		7A	
A 495A	2	SHLD A495	25N				E53-B	38N			214
A 495L		J32-EE	22N			93	K50- 8	31Y			35
A 495R		J32-GG	22N			93	K50-11	31Y			35
A 495Y		J32-FF	22N			93	K50- 5	31Y		49	35
A 496	14		180 150 52 65 57 5					250 220 52		7A	
A 496A	2	SHLD A496	25N				E53-B	38N			214
A 496L		J32-HH	22N			93	K51- 5	31Y		49	36
A 496R		J32-JJ	22N			93	K51-11	31Y		48	36
A 496Y		J32-KK	22N			93	K51- 7	31Y			36
A 497	11		230 200 52 87 86 5					250 220 52		7A	
A 497A	2	SHLD A497	25N				E53-B	38N			214
A 497L		J32-MM	22N			93	TB6- 4C	19N		42	65

1 - THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 - DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 80 OF 147

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO.
A 497R		J32-LL	22N			93	TB6- 1C	19N		42	65
A 498	7		280 250 52 62 54 5					200 170 53		7A	
A 498A	2	SHLD A498	25N				E53-B	38N			214
A 498W		J32-NN	22N			93	TB11- 2C	19N		42	120
A 499	7		330 300 52 64 54 5					200 170 53		7A	
A 499A	2	SHLD A499	25N				E53-B	38N			214
A 499W		J32-PP	22N			93	TB11- 2B	19N		42	120
A 500	3	J33-A	22N			90	E83-B	38N			196
A 501	3	J33-B	22N			90	E54-B	38N			213
A 502		DELETED									
A 503	1	J33-B*	22N			90	TB13-10B	19N		42	125
A 504	10		180 150 52 64 56 5					250 220 52		7A	
A 504A	2	SHLD A504	25N				E54-B	38N			213
A 504L		J33-D*	22N			90	TB11- 5B	19N		42	120
A 504R		J33-C*	22N			90	TB11- 4B	19N		42	120
A 505	10		230 200 52 64 56 5					250 220 52		7A	
A 505A	2	SHLD A505	25N				E54-B	38N			213
A 505L		J33-F*	22N			90	K46-14	31Y			31

1 - THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 - DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 81 OF 147

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO.
A 505R		J33-E*	22N			90	K46-17	31Y			31
A 506	14		280 250 52 64 56 5					250 220 52		7A	
A 506A	2	SHLD A506	25N				E54-B	38N			213
A 506L		J33-H*	22N			90	TB17- 4A	19N		42	121
A 506R		J33-G*	22N			90	TB17- 3A	19N		42	121
A 507	10		330 300 52 64 56 5					250 220 52		7A	
A 507A	2	SHLD A507	25N				E54-B	38N			213
A 507L		J33-K*	22N			90	K62-10	31Y		49	47
A 507R		J33-J*	22N			90	K62-13	31Y		49	47
A 508	10		180 150 52 64 56 5					250 220 52		7A	
A 508A	2	SHLD A508	25N				E54-B	38N			213
A 508L		J33-N*	22N			90	K62- 4	31Y		49	47
A 508R		J33-M*	22N			90	K62- 7	31Y		49	47
A 509	10		230 200 52 64 56 5					250 220 52		7A	
A 509A	4	SHLD A509	25N				E54-B	38N			213
A 509L		J33-U*	22N			90	K64- 5	31Y			49
A 509R		J33-P*	22N			90	K64- 8	31Y			49
A 510	10		280 250 52 64 56 5					250 220 52		7A	

1 - THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 - DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 82 OF 147

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO	TO NO.
A 510A	2	SHLD A510	25N				E54-B	38N			213
A 510L		J33-S*	22N			90	K61-10	31Y		49	46
A 510R		J33-R*	22N			90	K61-13	31Y		49	46
A 511	10		330 300 52 64 56 5					250 220 52		7A	
A 511A	2	SHLD A511	25N				E54-B	38N			213
A 511L		J33-U*	22N			90	K61- 4	31Y		49	46
A 511R		J33-T*	22N			90	K61- 7	31Y		49	46
A 512	10		180 150 52 64 56 5					250 220 52		7A	
A 512A	2	SHLD A512	25N				E55-B	38N			212
A 512L		J33-Z*	22N			90	TB17-20C	19N		42	121
A 512R		J33-Y*	22N			90	TB17-19C	19N		42	121
A 513	10		280 250 52 64 56 5					280 250 52		7A	
A 513A	2	SHLD A513	25N				E54-B	38N			213
A 513L		J33-CC	22N			90	TB13- 2C	19N		42	125
A 513R		J33-BB	22N			90	TB13- 1C	19N		42	125
A 515	1	J33-DD	22N			90	TB13-11B	19N		42	125
A 516	14		230 200 52 65 57 5					250 220 52		7A	
A 516A	2	SHLD A516	25N				E55-B	38N			212

1 - THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 - DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 83 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	3	4	TERMINATION SPEC 1 ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	3	4	TERMINATION SPEC 1 ITEM NO.	NO.
A 516L		J33-EE	22N				90	K46- 8	31Y				31
A 516R		J33-GG	22N				90	K46-11	31Y				31
A 516Y		J33-FF	22N				90	K46- 5	31Y		49		31
A 517	14		28Q	25U	52	65 57 5			25U	22Q 52		7A	
A 517A	2	SHLD A517	25N					E55-B	38N				212
A 517L		J33-MM	22N				90	K47- 5	31Y		49		32
A 517R		J33-JJ	22N				90	K47-11	31Y		49		32
A 517Y		J33-KK	22N				90	K47- 7	31Y				32
A 518	11		33Q	30U	51	87 86 5			25U	22Q 51		7A	
A 518A	2	SHLD A518	25N					E55-B	38N				212
A 518L		J33-MM	22N				90	TB6- 4D	19N		42		65
A 518R		J33-LL	22N				90	TB6- 1D	19N		42		65
A 519	7		18Q	15U	52	62 54 5			20U	17Q 53		7A	
A 519A	2	SHLD A519	25N					E55-B	38N				212
A 519W		J33-NN	22N				90	TB11- 2E	19N		42		120
A 520	7		23Q	20U	52	62 54 5			20U	17Q 53		7A	
A 520A	2	SHLD A520	25N					E55-B	38N				212
A 520W		J33-PP	22N				90	TB11- 2D	19N		42		120

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 84 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	3	4	TERMINATION SPEC 1 ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	3	4	TERMINATION SPEC 1 ITEM NO.	NO.
A 521	3	J34-B	22N				87	E62-B					205
A 522	12		18Q	15U	50	67 59 5			25Q	22U 51		7A	
A 522A	2	SHLD A522	25N					E62-B	38N				205
A 522L		J34-N	22N				87	TB17-12A	19N		43		121
A 522R		J34-M	22N				87	TB17-11A	19N		43		121
A 523	11		23Q	20U	51	87 86 5			25Q	22U 51		7A	
A 523A	2	SHLD A523	25N					E56-B	38N				210
A 523L		J34-R	22N				87	TB17-12B	19N		42		121
A 523R		J34-P	22N				87	TB17-11B	19N		42		121
A 524	12		28Q	25U	50	67 59 5			25Q	22U 51		7A	
A 524A	2	SHLD A524	25N					E56-B	38N				210
A 524L		J34-V	22N				87	TB17- 9B	19N		43		121
A 524R		J34-U	22N				87	TB17-10B	19N		43		121
A 525	2	J34-W	22N				87	K45- 1	31Y		48		30
A 526	2	J34-X	22N				87	K49- 1	31Y		48		34
A 527	2	J34-Y	22N				87	K53- 1	31Y		48		38
A 528	3	J34-Z	22N				87	K68- 1	31Y		48		53
A 529	10		33Q	30U	52	64 56 5			25U	22Q 52		7A	

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 85 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	3	4	TERMINATION SPEC 1 ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	3	4	TERMINATION SPEC 1 ITEM NO.	NO.
A 529A	2	SHLD A529	25N					E56-B	38N				210
A 529L		J34-B*	22N				87	J39-R	22N				86
A 529R		J34-A*	22N				87	J39-P	22N				86
A 530	11		33Q	30U	51	87 86 5			25U	22Q 51		7A	
A 530A	2	SHLD A530	25N					E56-B	38N				210
A 530L		J34-D*	22N				87	J39-T	22N				86
A 530R		J34-C*	22N				87	J39-S	22N				86
A 531	10		28Q	25U	52	64 56 5			25U	22Q 52		7A	
A 531A	2	SHLD A531	25N					E56-B	38N				210
A 531L		J34-F*	22N				87	J39-N	22N				86
A 531R		J34-E*	22N				87	J39-M	22N				86
A 532	11		23Q	20U	51	87 86 5			25Q	22U 51		7A	
A 532A	2	SHLD A532	25N					E56-B	38N				210
A 532L		J34-H*	22N				87	TB6- 5D	19N		43		65
A 532R		J34-G*	22N				87	TB6- 2D	19N		43		65
A 533	1	J34-I*	22N				87	J39-U	22N				86
A 534	1	J34-J*	22N				87	J39-V	22N				86
A 535	1	J34-K*	22N				87	J39-W	22N				86

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 86 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	3	4	TERMINATION SPEC 1 ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	1	3	4	TERMINATION SPEC 1 ITEM NO.	NO.
A 536	1	J34-M*	22N				87	K60- 1	31Y		48		45
A 537	1	J34-Q*	22N				87	J39-Y	22N				86
A 538	1	J34-S*	22N				87	J39-Z	22N				86
A 539	1	J34-T*	22N				87	J39-B*	22N				86
A 540	1	J34-U*	22N				87	J39-C*	22N				86
A 541	3	J34-W*	22N				87	K64- 1	31Y		48		49
A 542	7		28Q	25U	52	62 54 5			20U	17Q 53		7A	
A 542A	2	SHLD A542	25N					E94-B	38N				211
A 542W		J34-X*	22N				87	J39-F*	22N				86
A 543	3	J34-Y*	22N				87	J39-G*	22N				86
A 544	7		33Q	30U	52	62 54 5			20Q	17Q 53		7A	
A 544A	2	SHLD A544	25N					E94-B	38N				211
A 544W		J34-Z*	22N				87	J39-H*	22N				86
A 545	3	J34-AA	22N				87	J39-I*	22N				86
A 546	3	J34-BB	22N				87	J39-J*	22N				86
A 547	7		18Q	15U	52	62 54 5			20Q	17Q 53		7A	
A 547A	2	SHLD A547	25N					E94-B	38N				211
A 547W		J34-CC	22N				87	J39-K*	22N				86

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 87 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 3	TERMINATION SPEC 1	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 3	TERMINATION SPEC 1	ITEM NO.	NO.
A 549	1	J34-EE	22N			87	J39-N*	22N			86
A 550	7		23Q	20Q	52 62 54 5			20Q	17Q 53	7A	
A 550A	2	SHLD A550	25N				E94-B	38N			211
A 550W		J34-FF	22N			87	J39-P*	22N			86
A 551	7		28Q	25Q	52 62 54 5			20Q	17Q 53	7A	
A 551A	2	SHLD A551	25N				E94-B	38N			211
A 551W		J34-GG	22N			87	J39-Q*	22N			86
A 552	5	J35-B	22N			98	E57-B	38N			209
A 553	10		18Q	15Q	52 64 56 5			25Q	22Q 52	7A	
A 553A	2	SHLD A553	25N				E57-B	38N			209
A 553L		J35-M	22N			98	K32- 3	31Y			17
A 553R		J35-L	22N			98	K32- 5	31Y			17
A 554	10		23Q	20Q	52 64 56 5			25Q	22Q 52	7A	
A 554A	2	SHLD A554	25N				E57-B	38N			209
A 554L		J35-P	22N			98	K31- 5	31Y			16
A 554R		J35-N	22N			98	K31-10	31Y			16
A 555	10		28Q	25Q	52 64 56 5			25Q	22Q 52	7A	
A 555A	2	SHLD A555	25N				E57-B	38N			209

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 . DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 88 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 3	TERMINATION SPEC 1	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 3	TERMINATION SPEC 1	ITEM NO.	NO.
A 555L		J35-Z	22N			98	K32-10	31Y			17
A 555R		J35-Y	22N			98	K32-12	31Y			17
A 556	7		33Q	30Q	52 62 54 5			20Q	17Q 53	7A	
A 556A	2	SHLD A556	25N				E57-B	38N			209
A 556W		J35-D*	22N			98	J37-F*	22N			92
A 557	10		18Q	15Q	52 64 56 5			25Q	22Q 52	7A	
A 557A	2	SHLD A557	25N				E57-B	38N			209
A 557L		J35-F*	22N			98	J37-H*	22N			92
A 557R		J35-E*	22N			98	J37-G*	22N			92
A 558	14		23Q	20Q	52 65 57 5			25Q	22Q 52	7A	
A 558A	2	SHLD A558	25N				E57-B	38N			209
A 558L		J35-H*	22N			98	J37-HH	22N			92
A 558R		J35-G*	22N			98	J37-GG	22N			92
A 558Y		J35-I*	22N			98	J37-JJ	22N			92
A 559	1	J35-Q*	22N			98	J43-X	22N			91
A 560	1	J35-Y*	22N			98	TB13- 3C	19N	42		125
A 561	3	J36-B	22N			95	E58-B	38N			208
A 562	10		28Q	25Q	52 64 56 5			25Q	22Q 52	7A	

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 . DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 89 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 3	TERMINATION SPEC 1	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 3	TERMINATION SPEC 1	ITEM NO.	NO.
A 562A	2	SHLD A562	25N				E58-B	38N			208
A 562L		J36-F*	22N			95	K19- 1	31Y	47		4
A 562R		J36-E*	22N			95	K19- 7	31Y	47		4
A 563	10		33Q	30Q	52 64 56 5			25Q	22Q 52	7A	
A 563A	2	SHLD A563	25N				E58-B	38N			208
A 563L		J36-H*	22N			95	K19- 2	31Y	47		4
A 563R		J36-G*	22N			95	K19- 6	31Y	47		4
A 564	10		18Q	15Q	52 64 56 5			25Q	22Q 52	7A	
A 564A	2	SHLD A564	25N				E58-B	38N			208
A 564L		J36-J*	22N			95	K30- 1	31Y	47		15
A 564R		J36-I*	22N			95	K30- 7	31Y	47		15
A 565	10		23Q	20Q	52 64 56 5			25Q	22Q 52	7A	
A 565A	2	SHLD A565	25N				E58-B	38N			208
A 565L		J36-M*	22N			95	K30- 2	31Y	47		15
A 565R		J36-K*	22N			95	K30- 6	31Y	47		15
A 566	10		26Q	25Q	52 64 56 5			25Q	22Q 52	7A	
A 566A	2	SHLD A566	25N				E58-B	38N			208
A 566L		J36-P*	22N			95	J37-P*	22N			92

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 . DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 90 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 3	TERMINATION SPEC 1	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 3	TERMINATION SPEC 1	ITEM NO.	NO.
A 566R		J36-N*	22N			95	J37-N*	22N			92
A 567	7		33Q	30Q	52 62 54 5			20Q	17Q 53	7A	
A 567A	2	SHLD A567	25N				E58-B	38N			208
A 567W		J36-Q*	22N			95	J37-Q*	22N			92
A 568	10		18Q	15Q	52 64 56 5			25Q	22Q 52	7A	
A 568A	2	SHLD A568	25N				E58-B	38N			208
A 568L		J36-S*	22N			95	J37-S*	22N			92
A 568R		J36-R*	22N			95	J37-R*	22N			92
A 569	10		23Q	20Q	52 64 56 5			25Q	22Q 52	7A	
A 569A	2	SHLD A569	25N				E58-B	38N			208
A 569L		J36-U*	22N			95	J37-U*	22N			92
A 569R		J36-T*	22N			95	J37-T*	22N			92
A 570	14		28Q	25Q	52 65 57 6			25Q	22Q 52 65 57 6		
A 570A	2	SHLD A570	25N				J36-W	22N			95
A 570B	2	J37-C	22N			92	SHLD A570	25N			
A 570L		J36-W*	22N			95	J37-W*	22N			92
A 570R		J36-V*	22N			95	J37-V*	22N			92
A 570Y		J36-X*	22N			95	J37-X*	22N			92

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 . DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 91 OF 147

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO.	TO NO.
A 571	10		33Q 30Q 52 64 56 5					25Q 22Q 52			7A
A 571A	2	SHLD A571	25N				E58-B	38N			208
A 571U		J36-Z*	22N			95	J37-FF	22N			92
A 571W		J36-Y*	22N			95	J37-EE	22N			92
A 572	3	J37-A	22N			95	E83-B	38N			196
A 573	3	J37-B	22N			92	E61-B	38N			199
A 574		DELETED									
A 575	10		18Q 15Q 52 64 56 5					25Q 22Q 52			7A
A 575A	2	SHLD A575	25N				E61-B	38N			199
A 575L		J37-Z	22N			92	TB13-16A	19N		42	125
A 575R		J37-Y	22N			92	TB13-15A	19N		42	125
A 576	10		23Q 20Q 52 64 56 5					25Q 22Q 52			7A
A 576A	2	SHLD A576	25N				E61-B	38N			199
A 576L		J37-C*	22N			92	TB7- 4D	19N		42	111
A 576R		J37-B*	22N			92	TB7- 3D	19N		42	111
A 577	10		28Q 25Q 52 64 56 5					25Q 22Q 52			7A
A 577A	2	SHLD A577	25N				E59-B	38N			207
A 577L		J37-E*	22N			92	TB13- 5C	19N		42	125

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 92 OF 147

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO.	TO NO.
A 577R		J37-D*	22N			92	TB13- 4C	19N		42	125
A 578	10		33Q 30Q 52 64 56 5					25Q 22Q 52			7A
A 578A	2	SHLD A578	25N				E59-B	38N			207
A 578L		J37-J*	22N			92	J41-F*	22N			97
A 578R		J37-I*	22N			92	J41-E*	22N			97
A 579	10		18Q 15Q 52 64 56 5					25Q 22Q 52			7A
A 579A	2	SHLD A579	25N				E59-B	38N			207
A 579L		J37-M*	22N			92	J41-H*	22N			97
A 579R		J37-K*	22N			92	J41-G*	22N			97
A 580	10		23Q 20Q 52 64 56 5					25Q 22Q 52			7A
A 580A	2	SHLD A580	25N				E59-B	38N			207
A 580L		J37-Z*	22N			92	TB17-16D	19N		42	121
A 580R		J37-Y*	22N			92	TB17-15D	19N		42	121
A 581	7		28Q 25Q 52 62 54 5					20Q 17Q 53			7A
A 581A	2	SHLD A581	25N				E59-B	38N			207
A 581W		J37-BB	22N			92	K28- 3	31Y			13
A 583	11		18Q 15Q 51 87 86 5					25Q 22Q 51			7A
A 583A	2	SHLD A583	25N				E59-B	38N			207

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 93 OF 147

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO.	TO NO.
A 583L		J37-LL	22N			92	TB6- 4E	19N		42	65
A 583R		J37-KK	22N			92	TB6- 1E	19N		42	65
A 584	14		23Q 20Q 52 65 57 5					25Q 22Q 52			7A
A 584A	2	SHLD A584	25N				E59-B	38N			207
A 584L		J37-MM	22N			92	TB13-20D	19N		42	125
A 584R		J37-PP	22N			92	TB13-19D	19N		42	125
A 584Y		J37-NN	22N			92	TB13-20E	19N		42	125
A 585	3	J38-A	22N			89	E83-B	38N			196
A 586	3	J38-B	22N			89	E60-B	38N			206
A 587		DELETED									
A 588	1	J38-B*	22N			89	TB13-10A	19N		42	125
A 589	10		18Q 15Q 52 64 56 5					25Q 22Q 52			7A
A 589A	2	SHLD A589	25N				E60-B	38N			206
A 589L		J38-D*	22N			89	TB11- 5C	19N		42	120
A 589R		J38-C*	22N			89	TB11- 4C	19N		42	120
A 590	10		23Q 20Q 52 64 56 5					25Q 22Q 52			7A
A 590A	2	SHLD A590	25N				E60-B	38N			206
A 590L		J38-F*	22N			89	K42-14	31Y			27

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 94 OF 147

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO.	TO NO.
A 590R		J38-E*	22N			89	K42-17	31Y			27
A 591	10		28Q 25Q 52 64 56 5					25Q 22Q 52			7A
A 591A	2	SHLD A591	25N				E60-B	38N			206
A 591L		J38-H*	22N			89	TB17- 2A	19N		42	121
A 591R		J38-G*	22N			89	TB17- 1A	19N		42	121
A 592	10		33Q 30Q 52 64 56 5					25Q 22Q 52			7A
A 592A	2	SHLD A592	25N				E60-B	38N			206
A 592L		J38-K*	22N			89	K58-10	31Y		49	43
A 592R		J38-J*	22N			89	K58-13	31Y		49	43
A 593	10		18Q 15Q 52 64 56 5					25Q 22Q 52			7A
A 593A	2	SHLD A593	25N				E60-B	38N			206
A 593L		J38-N*	22N			89	K58- 4	31Y		49	43
A 593R		J38-M*	22N			89	K58- 7	31Y		49	43
A 594	10		23Q 20Q 52 64 56 5					25Q 22Q 52			7A
A 594A	2	SHLD A594	25N				E60-B	38N			206
A 594L		J38-Q*	22N			89	K60- 5	31Y			45
A 594R		J38-P*	22N			89	K60- 8	31Y			45
A 595	10		28Q 25Q 52 64 56 5					25Q 22Q 52			7A

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 95 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 1	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	T 3 N	TERMINATION SPEC 1 ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	T 3 N	TERMINATION SPEC 1 ITEM NO.	NO.
A 595A	2	SHLD A595	25N				E60-B	38N			206
A 595L		U38-S*	22N			89	K57-10	31Y		49	42
A 595R		U38-R*	22N			89	K57-13	31Y		49	42
A 596	10		33Q	30Q	52 64 56 5			25Q	22Q	52	7A
A 596A	2	SHLD A596	25N				E61-B	38N			199
A 596L		U38-U*	22N			89	K57- 4	31Y		49	42
A 596R		U38-T*	22N			89	K57- 7	31Y		49	42
A 597	10		18Q	15Q	52 64 56 5			25Q	22Q	52	7A
A 597A	2	SHLD A597	25N				E61-B	38N			199
A 597L		U38-Z*	22N			89	TB17-20A	19N		42	121
A 597R		U38-Y*	22N			89	TB17-19A	19N		42	121
A 598	10		25Q	22Q	52 64 56 5			25Q	22Q	52	7A
A 598A	2	SHLD A598	25N				E61-B	38N			199
A 598L		U38-CC	22N			89	TB13- 2D	19N		42	125
A 598R		U38-BB	22N			89	TB13- 1D	19N		42	125
A 600	1	U38-DD	22N			89	TB13-11A	19N		42	125
A 601	14		23Q	20Q	52 65 57 5			25Q	22Q	52	7A
A 601A	2	SHLD A601	25N				E61-B	38N			199

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 96 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 1	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	T 3 N	TERMINATION SPEC 1 ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	T 3 N	TERMINATION SPEC 1 ITEM NO.	NO.
A 601L		U38-EE	22N			89	K42- 8	31Y			27
A 601R		U38-GG	22N			89	K42-11	31Y			27
A 601Y		U38-FF	22N			89	K42- 5	31Y		49	27
A 602	14		28Q	25Q	52 65 57 5			25Q	22Q	52	7A
A 602A	2	SHLD A602	25N				E61-B	38N			199
A 602L		U38-HH	22N			89	K43- 5	31Y		49	28
A 602R		U38-JJ	22N			89	K43-11	31Y		49	28
A 602Y		U38-KK	22N			89	K43- 7	31Y			28
A 603	11		33Q	30Q	51 87 66 5			25Q	22Q	51	7A
A 603A	2	SHLD A603	25N				E61-B	38N			199
A 603L		U38-MM	22N			89	TB6- 4B	19N		42	65
A 603R		U38-LL	22N			89	TB6- 1B	19N		42	65
A 604	7		18Q	15Q	52 62 54 5			20Q	17Q	53	7A
A 604A	2	SHLD A604	25N				E61-B	38N			199
A 604W		U38-NN	22N			89	TB11- 3B	19N		42	120
A 605	7		23Q	20Q	52 62 54 5			20Q	17Q	53	7A
A 605A	2	SHLD A605	25N				E61-B	38N			199
A 605W		U38-PP	22N			89	TB11- 2F	19N		42	120

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 97 OF 147

GFA WIRING HARNESS A 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 1	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	T 3 N	TERMINATION SPEC 1 ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	T 3 N	TERMINATION SPEC 1 ITEM NO.	NO.
A 606	3	U39-A	22N			86	E62-B	38N			162
A 607	3	U39-B	22N			86	E62-B	38N			205
A 608	1	U39-X	22N			86	TB17- 8B	19N		42	121
A 609		DELETED									
A 610	10		18Q	15Q	52 64 56 5			25Q	22Q	52	7A
A 610A	2	SHLD A610	25N				E62-B	38N			205
A 610L		U39-T*	22N			86	J43-C	22N			91
A 610R		U39-S*	22N			86	J43-B	22N			91
A 611	9		23Q	20Q	52 63 55 5			20Q	17Q	53	7A
A 611A	2	SHLD A611	25N				E62-B	38N			205
A 611W		U39-V*	22N			86	TB6- 3B	19N		43	65
A 612	9		28Q	25Q	52 63 55 5			20Q	17Q	53	7A
A 612A	2	SHLD A612	25N				E62-B	38N			205
A 612W		U39-W*	22N			86	TB6- 3C	19N		43	65
A 613	7		33Q	30Q	52 62 54 5			20Q	17Q	53	7A
A 613A	2	SHLD A613	25N				E62-B	38N			205
A 613W		U39-BB	22N			86	J43-D	22N			91
A 614	2	U39-EE	22N			86	TB11- 1C	19N		42	120

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE NONE | REV LTR T | SHEET 98 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 1	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	T 3 N	TERMINATION SPEC 1 ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	2	T 3 N	TERMINATION SPEC 1 ITEM NO.	NO.
A 615	1	U39-DD	22N			86	TB13- 6C	19N		42	125
A 616	3	U40-B	28Y		47	84	E62-B	38N			205
A 617	4	U40-D	28Y		47	84	TB5- 4	19N		40	540
A 618	4	U40-E	28Y		47	84	TB16- 7	19N		40	122
A 619	6	U40-I	41Y		46	84	TB2- 8	31N		41	57H
A 620	6	U40-J	41Y		46	84	TB2- 7	31N		41	57G
A 621	5	U40-K	41Y		46	84	TB3- 8	19N		40	55H
A 622	5	U40-L	41Y		46	84	TB3- 7	19N		40	55G
A 623	5	U40-M	41Y		46	84	TB4- 8	19N		40	56G
A 624	5	U40-N	41Y		46	84	TB4- 7	19N		40	56F
A 625	6	U40-S	41Y		46	84	TB16- 8	31N		41	122
A 626	6	U40-T	41Y		46	84	TB16-10	31N		41	122
A 627	6	U40-U	41Y		46	84	TB14-10	31N		41	124
A 628	6	U40-V	41Y		46	84	TB10- 4	31N		41	117
A 629	6	U40-W	41Y		46	84	TB9- 6	31N		41	113
A 630	12		18Q	15Q	50 67 59 5			25Q	22Q	50	7A
A 630A	2	SHLD A630	25N				E62-B	38N			205
A 630L		U40-E*	28Y		47	84	TB17-10C	19N		43	121

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 99 OF 147

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	FROM TERMINATION SPEC 1 ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	TO TERMINATION SPEC 1 ITEM NO.	TO NO
A 630R		J40-D*	28Y 47	84	TB17- 9C	19N 43	121
A 631	10		18U 150 52 64 56 5			25G 220 52 7A	
A 631A	2	SHLD A631	25N		E63-B	38N	204
A 631L		J41-C	22N	97	TB13-18D	19N 42	125
A 631R		J41-B	22N	97	TB13-17D	19N 42	125
A 632	10		23G 200 52 64 56 5			25G 220 52 7A	
A 632A	2	SHLD A632	25N		E63-B	38N	204
A 632L		J41-E	22N	97	TB13-14C	19N 42	125
A 632R		J41-D	22N	97	TB13-13C	19N 42	125
A 633	10		25G 250 52 64 56 5			25G 220 52 7A	
A 633A	2	SHLD A633	25N		E63-B	38N	204
A 633L		J41-G	22N	97	TB17-16A	19N 42	121
A 633R		J41-F	22N	97	TB17-15A	19N 42	121
A 644	3	J41-H	22N	97	E63-B	38N	204
A 645	1	J41-N	22N	97	TB7-12C	19N 42	111
A 646	1	J41-P	22N	97	K20- 5	31Y 46	5
A 647	1	J41-R	22N	97	K20- 3	31Y 47	5
A 648	10		33G 300 52 64 56 5			25G 220 52 7A	

1 - THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 - DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 100 OF 147

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	FROM TERMINATION SPEC 1 ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	TO TERMINATION SPEC 1 ITEM NO.	TO NO
A 648A	2	SHLD A648	25N		E63-B	38N	204
A 648L		J41-D*	22N	97	TB7- 4C	19N 42	111
A 648R		J41-C*	22N	97	TB7- 3C	19N 42	111
A 649	10		18U 150 52 64 56 5			25G 220 52 7A	
A 649A	2	SHLD A649	25N		E63-B	38N	204
A 649L		J41-I*	22N	97	TB13- 5D	19N 42	125
A 649R		J41-J*	22N	97	TB13- 4D	19N 42	125
A 650	10		23G 200 52 64 56 5			25G 220 52 7A	
A 650A	2	SHLD A650	25N		E63-B	38N	204
A 650L		J41-P*	22N	97	TB7- 6C	19N 42	111
A 650R		J41-N*	22N	97	TB7- 5C	19N 42	111
A 651	1	J41-U*	22N	97	J44-T	22N	88
A 652	1	J41-V*	22N	97	J44-W	22N	88
A 653	1	J41-W*	22N	97	J44-X	22N	88
A 654	3	J42-B	22N	94	E63-B	38N	204
A 655	10		18U 150 52 64 56 5			25G 220 52 7A	
A 655A	2	SHLD A655	25N		E63-B	38N	204
A 655L		J42-B*	22N	94	J43-S*	22N	91

1 - THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 - DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 101 OF 147

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	FROM TERMINATION SPEC 1 ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	TO TERMINATION SPEC 1 ITEM NO.	TO NO
A 655R		J42-A*	22N	94	J43-R*	22N	91
A 656	10		23G 200 52 64 56 5			25G 220 52 7A	
A 656A	2	SHLD A656	25N		E63-B	38N	204
A 656L		J42-D*	22N	94	J43-U*	22N	91
A 656R		J42-C*	22N	94	J43-T*	22N	91
A 657	3	J43-A	22N	91	E84-B	38N	162
A 658	3	J43-F	22N	91	E87-B	38N	195
A 659	3	J43-G	22N	91	E65-B	38N	203
A 660	3	J43-N	22N	91	E87-B	38N	195
A 661	3	J43-P	22N	91	TB12-4G	25Y	1
A 662	8		18U 150 52 63 55 5			25G 220 51 7A	
A 662A	2	SHLD A662	25N		E65-B	38N	203
A 662W		J43-S	22N	91	K8-12	31Y 46	64
A 663	11		23G 200 51 87 86 5			25G 220 51 7A	
A 663A	2	SHLD A663	25N		E65-B	38N	203
A 663L		J43-U	22N	91	K8-10	31Y	64
A 663R		J43-T	22N	91	K8-14	31Y	64
A 664	3	J43-V	22N	91	TB14- 8	19N 39	124

1 - THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 - DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 102 OF 147

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	FROM TERMINATION SPEC 1 ITEM NO	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	TO TERMINATION SPEC 1 ITEM NO.	TO NO
A 665	1	J43-W	22N	91	P6-B	31Y 90	75
A 666	8		28U 250 52 63 55 5			20G 170 53 7A	
A 666A	2	SHLD A666	25N		E65-B	38N	203
A 666W		J43-Y	22N	91	TB13-13F	19N 42	125
A 667	3	J43-Z	22N	91	P6-U	31Y	75
A 668	3	J43-A*	22N	91	E65-B	38N	203
A 669	1	J43-B*	22N	91	P6-W	31Y 90	75
A 670	3	J43-C*	22N	91	K8- 3	31Y 47	64
A 671	1	J43-D*	22N	91	P6-P	31Y 90	75
A 672	1	J43-E*	22N	91	P2-E	31Y 90	68
A 673	1	J43-F*	22N	91	P2-H	31Y 90	68
A 674	3	J43-I*	22N	91	P6-Z	31Y	75
A 675	11		33G 300 51 87 86 5			25G 220 51 7A	
A 675A	2	SHLD A675	25N		E65-B	38N	203
A 675L		J43-K*	22N	91	K20- 8	31Y 47	5
A 675R		J43-J*	22N	91	K20-14	31Y 47	5
A 676	3	J43-V*	22N	91	P6-A	31Y	75
A 677	1	J44-B	22N	88	TB17- 8C	19N 42	121

1 - THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 - DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 103 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC.	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC.	TO ITEM NO.	TO NO.
A 678	7		180 150 52 62 54 5					200 170 53 7A			
A 678A	2	SHLD A678	25N				E66-B	38N			202
A 678W		J44-C	22N			88	K30-13	31Y			15
A 679	10		230 200 52 64 56 5					250 220 52 7A			
A 679A	2	SHLD A679	25N				E66-B	38N			202
A 679L		J44-E	22N			88	K19- 9	31Y	46		4
A 679R		J44-D	22N			88	K19-13	31Y	47		4
A 680	10		280 250 52 64 56 5					250 220 52 7A			
A 680A	2	SHLD A680	25N				E66-B	38N			202
A 680L		J44-G	22N			88	K19- 8	31Y	47		4
A 680R		J44-F	22N			88	K19-14	31Y	47		4
A 681	10		330 300 52 64 56 5					250 220 52 7A			
A 681A	2	SHLD A681	25N				E66-B	38N			202
A 681U		J44-J	22N			88	K30- 8	31Y	47		15
A 681R		J44-H	22N			88	K30-14	31Y	47		15
A 682	1	J44-K	22N			88	K20- 7	31Y	47		5
A 683	9		160 150 52 63 55 5					200 170 53 7A			
A 683A	2	SHLD A683	25N				E66-B	38N			202

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 104 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC.	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC.	TO ITEM NO.	TO NO.
A 683W		J44-L	22N			88	J45-K*	22N			85
A 684	9		230 200 52 63 55 5					200 170 53 7A			
A 684A	2	SHLD A684	25N				E66-B	38N			202
A 684W		J44-M	22N			88	J45-M*	22N			85
A 685	1	J44-R	22N			88	K8- 7	31Y	47		64
A 686	1	J44-S	22N			88	P2-C	31Y	90		68
A 687	1	J44-U	22N			88	P2-B	31Y	90		68
A 688	10		280 250 52 64 56 5					250 220 52 7A			
A 688A	2	SHLD A688	25N				E63-B	38N			204
A 688L		J42-U*	22N			94	TB17-17C	19N	42		121
A 688R		J42-T*	22N			94	TB17-18C	19N	42		121
A 689	1	J44-Y	22N			88	P6-E	31Y			75
A 690	1	J44-Z	22N			88	P2-P	31Y			68
A 691	3	J44-A*	22N			88	E66-B	38N			202
A 692	1	J44-B*	22N			88	P2-D	31Y			68
A 693	1	J44-C*	22N			88	P2-X	31Y			68
A 694	3	J44-D*	22N			88	P2-S	31Y			68
A 695	3	J44-E*	22N			88	P2-F	31Y			68

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 105 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC.	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC.	TO ITEM NO.	TO NO.
A 696	3	J44-N*	22N			88	P2-L	31Y	90		68
A 697	1	J44-N*	22N			88	P2-A*	31Y	90		68
A 698	1	J44-P*	22N			88	P2-Z	31Y	90		68
A 699	1	J44-R*	22N			88	P2-N	31Y	90		68
A 700	1	J44-S*	22N			88	P2-M	31Y	90		68
A 701	7		330 300 52 62 54 5					200 170 53 7A			
A 701A	2	SHLD A701	25N				E66-B	38N			202
A 701W		J44-AA	22N			88	K27- 1	31Y	47		12
A 702	7		180 150 52 62 54 5					200 170 53 7A			
A 702A	2	SHLD A702	25N				E66-B	38N			202
A 702W		J44-BB	22N			88	K28- 1	31Y	47		13
A 703	3	J44-CC	22N			88	K20- 1	31Y	47		5
A 704	3	J44-DD	22N			88	P2-A	31Y	90		68
A 705	3	J45-B	22N			85	E67-B	38N			201
A 706	3	J45-M*	22N			85	E87-B	38N			195
A 707	3	J45-N*	22N			85	E87-B	38N			195
A 708	3	J45-S*	22N			85	TB13-12A	19N	43		125
A 709	10		180 150 52 64 56 5					250 220 52 7A			

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 106 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET	FROM CIRCUIT POINT	FROM TERMINATION SPEC.	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TO CIRCUIT POINT	TO TERMINATION SPEC.	TO ITEM NO.	TO NO.
A 709A	2	SHLD A709	25N				E67-B	38N			201
A 709L		J45-X*	22N			85	TB17- 6B	19N	42		121
A 709R		J45-W*	22N			85	TB17- 5B	19N	42		121
A 710	10		230 200 52 64 56 5					250 220 52 7A			
A 710A	2	SHLD A710	25N				E67-B	38N			201
A 710U		J45-Y*	22N			85	TB11- 5E	19N	42		120
A 710R		J45-Z*	22N			65	TB11- 3E	19N	42		120
A 711	10		280 250 52 64 56 5					250 220 52 7A			
A 711A	2	SHLD A711	25N				E67-B	38N			201
A 711L		J45-CC	22N			85	TB17- 2B	19N	42		121
A 711R		J45-BB	22N			85	TB17- 1B	19N	42		121
A 712	10		330 300 52 64 56 5					250 220 52 7A			
A 712A	2	SHLD A712	25N				E67-B	38N			201
A 712L		J45-EE	22N			85	TB17- 4B	19N	42		121
A 712R		J45-DD	22N			85	TB17- 3B	19N	42		121
A 713	3	J45-GG	22N			85	K8- 1	19N			64
A 714	4	J46-D	28Y	47		83	TB5- 3	19N	40		548
A 715	4	J46-E	28Y	47		83	TB16- 9	19N	40		122

1 THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 107 OF 147

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (1)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (1)	TERMINATION SPEC (1) ITEM NO.	NO.
A 716	6	J46-I	28Y	46	83	TB2- 5	31N	41	57E
A 717	6	J46-J	28Y	46	83	TB2- 4	31N	41	57D
A 718	5	J46-K	41Y	46	83	TB3- 5	19N	40	55E
A 719	5	J46-L	41Y	46	83	TB3- 4	19N	40	55D
A 720	5	J46-M	41Y	46	83	TB4- 5	19N	40	56D
A 721	5	J46-N	41Y	46	83	TB4- 4	19N	40	56C
A 722	6	J46-S	41Y	46	83	TB16-12	31N	41	122
A 723	6	J46-T	41Y	46	83	TB16-14	31N	41	122
A 724	6	J46-U	41Y	46	83	TB14-12	31N	41	124
A 725	6	J46-V	41Y	46	83	TB10- 6	31N	41	118
A 726	6	K1-A 1	31N	41	66B	TB2- 1	31N	41	57A
A 727	6	K1-A 2	31N	41	66A	K2-A 1	31N	41	63B
A 728	6	K1-B 1	31N	41	66C	TB2- 6	31N	41	57F
A 729	3	K1-X 1	19N	45	66E	K6- 4	31Y	46	59
A 730	3	K1-X 2	19N	45	66D	K6-11	31Y	46	59
A 731	6	K2-A 2	31N	41	63B	XF2- 1	31Y		131
A 732	3	K2-X 1	19N	45	63A	TB1- 4	25Y		67
A 733	3	K2-X 2	19N	45	63A	TB6- 7D	19N	43	65

(1) - THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) - DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 108 OF 147

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (1)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (1)	TERMINATION SPEC (1) ITEM NO.	NO.
A 734	4	K3- 2	31Y	47	62	K6- 5	31Y	47	59
A 735	4	K3- 3	31Y	47	62	XF1- 1	31Y		128
A 736	3	K3- 5	31Y	47	62	TB1- 6	25Y		67
A 737	3	K3-11	31Y	47	62	TB6- 7E	19N	43	65
A 738	4	K4- 2	31Y	46	61	E15	25Y		230
A 739	3	K17- 4	31Y	47	2	E15	25Y		230
A 740	4	K4- 3	31Y	47	61	XF3- 1	31Y		127
A 741	1	K4- 5	31Y	47	61	TB1- 8	25Y		67
A 742	3	K4-11	31Y	47	61	TB6- 8A	19N	43	65
A 743	4	K5- 2	31Y	47	60	K6-12	31Y	47	59
A 744	4	K5- 3	31Y	47	60	XF4- 1	31Y		130
A 745	1	K5- 5	31Y	47	60	TB1-10	25Y		67
A 746	3	K5-11	31Y	47	60	TB6- 8B	19N	43	65
A 747	3	K6- 3	31Y	47	59	TB7-12E	19N	43	111
A 748	3	K6- 4	31Y		59	TB1-20	25Y		67
A 749	4	K6- 6	31Y	47	59	TB5- 1	19N	40	54A
A 750	4	K6- 7	31Y	47	59	TB5- 6	19N	40	54D
A 751	4	K6- 8	31Y	47	59	TB3- 6	19N	40	55F

(1) - THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) - DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 109 OF 147

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (1)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (1)	TERMINATION SPEC (1) ITEM NO.	NO.
A 752	4	K6- 9	31Y	47	59	TB3- 1	19N	40	55A
A 753	3	K6-11	31Y		59	TB1-19	19N	43	67
A 754	4	K6-13	31Y	47	59	TB4- 1	19N	40	56A
A 755	4	K6-14	31Y	47	59	TB4- 6	19N	40	56E
A 756	3	K7- 2	31Y	49	58	TB7-20F	19N	43	111
A 757	3	K7- 4	31Y	49	58	K25- 4	31Y	48	11
A 758	3	K8- 4	31Y	46	64	TB1- 2	25Y		67
A 760	1	K8- 6	31Y	46	64	TB6- 6B	19N	42	65
A 761	11		25Q 22Q 51 87 86 5				25Q 22Q 51	7A	
A 761B	2	SHLD A761	25N			E20-8	38N		192
A 761L		K8- 8	31Y		64	TB17-12C	19N	42	121
A 761R		K8-14	31Y	47	64	TB17-11C	19N	42	121
A 762	3	K8-11	31Y	47	64	TB6- 7C	19N	43	65
A 763	3	K17- 2	31Y	47	2	TB7-12D	19N	43	111
A 764	3	K17- 3	31Y	47	2	K19- 4	31Y	46	4
A 765	3	K17- 4	31Y		2	TB12-40	25Y		7
A 766	3	K17-11	31Y	47	2	TB12-39	25Y		7
A 767	12		25Q 22Q 50 67 59 5				25Q 22Q 51	7A	

(1) - THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) - DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 110 OF 147

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (1)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	T (1)	TERMINATION SPEC (1) ITEM NO.	NO.
A 767A	2	SHLD A767	25N			E68-B	38N		219
A 767L		K18- 1	31Y	47	3	K19-10	31Y	47	4
A 767R		K18- 7	31Y	47	3	K19-12	31Y	47	4
A 768	12		25Q 22Q 50 67 59 5				25Q 22Q 51	7A	
A 768A	2	SHLD A768	25N			E68-B	38N		219
A 768L		K18- 2	31Y		3	K29- 2	31Y	47	14
A 768R		K18- 6	31Y		3	K29- 6	31Y	47	14
A 769	12		25Q 22Q 50 67 59 5				25Q 22Q 51	7A	
A 769A	2	SHLD A769	25N			E68-B	38N		219
A 769L		K18- 5	31Y	47	3	K19- 5	31Y	47	4
A 769R		K18- 3	31Y	47	3	K19- 3	31Y	47	4
A 770	3	K18- 4	31Y	47	3	TB12- 4	25Y		7
A 771	3	K18-11	31Y	47	3	TB7-13C	19N	43	111
A 772	3	K19- 4	31Y		4	K30- 4	31Y	46	15
A 773	3	K19- 9	31Y		4	K30- 9	31Y	47	15
A 774	3	K19-11	31Y	46	4	K30-11	31Y	47	11
A 775	3	K19-11	31Y		4	TB7-13D	19N	43	111
A 776	3	K20- 4	31Y	47	5	TB12- 8	25Y		7

(1) - THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) - DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 111 OF 147

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	TERMINATION SPEC 1 ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	TERMINATION SPEC 1 ITEM NO.	NO.
A 777	3	K20- 5	31Y	5	K17-11	25Y	2
A 778	11		18Q 15Q 87 86 51 5			25Q 220 51 7A	
A 778A	2	SHLD A778	25N		E69-8	38N	220
A 778L		K20-10	31Y 47	5	K32- 8	31Y 46	17
A 778R		K20-12	31Y 47	5	K32-14	31Y 46	17
A 779	3	K20-11	31Y 47	5	TB7-13E	19N 43	111
A 780	14		25Q 220 50 67 59 5			25Q 220 51 7A	
A 780A	2	SHLD A780	25N		E69-8	38N	220
A 780L		K21- 2	31Y	6	E6	25Y	172
A 780R		K21- 6	31Y	6	XF5- 1	31Y	132
A 781	3	K21- 4	31Y 47	6	TB12-38	25Y	7
A 782	10		25Q 220 52 64 50 5			25Q 220 52 7A	
A 782A	2	SHLD A782	25N		E69-8	38N	220
A 782L		K21- 9	31Y 47	6	TB7-10A	19N 42	111
A 782R		K21-13	31Y 47	6	TB7- 9A	19N 42	111
A 783	3	K21-11	31Y 47	6	TB12-37	25Y	7
A 784	3	K22- 2	31Y 49	8	TB7-20D	19N 43	111
A 785	3	K22- 7	31Y	8	TB13-12F	19N 43	125

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 112 OF 147

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	TERMINATION SPEC 1 ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	TERMINATION SPEC 1 ITEM NO.	NO.
A 786	3	K23- 2	31Y 49	9	TB7-20B	19N 43	111
A 787	10		25Q 220 52 64 50 5			25Q 220 52 7A	
A 787A	2	SHLD A787	25N		E68-8	38N	219
A 787L		K23- 3	31Y	9	K38-12	31Y 48	23
A 787R		K23- 5	31Y 49	9	K38-10	31Y	23
A 788	3	K24- 2	31Y 49	10	TB7-20C	19N 43	111
A 789	3	K25- 2	31Y 49	11	TB7-15D	19N 43	111
A 790	3	K27- 2	31Y 47	12	K28- 2	31Y 46	13
A 791	3	K27- 4	31Y 47	12	TB12-12	25Y	7
A 792	3	K27-11	31Y 47	12	TB7-14B	19N 43	111
A 793	3	K28- 2	31Y	13	K32- 7	31Y 46	17
A 794	11		25Q 220 51 87 86 5			25Q 220 51 7A	
A 794A	2	SHLD A794	25N		E68-8	38N	219
A 794L		K24- 3	31Y	10	TB13- 8D	19N 42	125
A 794R		K24- 5	31Y 49	10	TB13- 7D	19N 42	125
A 795	3	K28- 4	31Y 47	13	TB12-14	25Y	7
A 796	3	K28-11	31Y 47	13	TB7-14C	19N 43	111
A 797	11		25Q 220 51 87 86 5			25Q 220 51 7A	

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR Y | SHEET 113 OF 147

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	TERMINATION SPEC 1 ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	TERMINATION SPEC 1 ITEM NO.	NO.
A 797A	2	SHLD A797	25N		E68-8	38N	219
A 797L		K29- 1	31Y 47	14	K30-10	31Y 47	15
A 797R		K29- 7	31Y 47	14	K30-12	31Y 47	15
A 798	11		25Q 220 51 87 86 5			25Q 220 51 7A	
A 798A	2	SHLD A798	25N		E68-8	38N	219
A 798L		K29- 3	31Y 47	14	K30- 3	31Y 47	15
A 798R		K29- 5	31Y 47	14	K30- 5	31Y 47	15
A 799	3	K29- 4	31Y 47	14	TB12- 2	25Y	7
A 800	3	K29-11	31Y 47	14	TB7-13B	19N 43	111
A 801	3	K30- 4	31Y	15	TB12- 6	25Y	7
A 802	3	K31- 3	31Y 47	16	TB7-11D	19N 43	111
A 803	3	K31-13	31Y 47	16	K32- 4	31Y 46	17
A 804	11		25Q 220 51 87 86 5			25Q 220 51 7A	
A 804A	2	SHLD A804	25N		E69-8	38N	220
A 804L		K31- 6	31Y 47	16	E11	25Y	167
A 804R		K31- 9	31Y 47	16	XF12- 1	31Y	134
A 805	11		25Q 220 51 87 86 5			25Q 220 51 7A	
A 805A	2	SHLD A805	25N		E69-8	38N	220

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 114 OF 147

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	TERMINATION SPEC 1 ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	TERMINATION SPEC 1 ITEM NO.	NO.
A 805L		K31- 7	31Y 47	16	TB17-16B	19N 42	121
A 805R		K31- 8	31Y 47	16	TB17-15B	19N 42	121
A 806	3	K30-11	31Y	15	K32-11	31Y 46	17
A 807	11		25Q 220 51 87 86 5			25Q 220 51 7A	
A 807A	2	SHLD A807	25N		E69-8	38N	220
A 807L		K32- 1	31Y 47	17	TB13-14E	19N 42	125
A 807R		K32- 7	31Y	17	TB13-13E	19N 42	125
A 808	11		25Q 220 51 87 86 5			25Q 220 51 7A	
A 808A	2	SHLD A808	25N		E69-8	38N	220
A 808L		K32- 2	31Y 47	17	E9	25Y	169
A 808R		K32- 6	31Y 47	17	XF9- 1	31Y	135
A 809	3	K32- 4	31Y	17	TB12-36	25Y	7
A 810	11		25Q 220 51 87 86 5			25Q 220 51 7A	
A 810A	2	SHLD A810	25N		E69-8	38N	220
A 810L		K32- 8	31Y	17	TB13-18E	19N 42	125
A 810R		K32-14	31Y	17	TB13-17E	19N 42	125
A 811	11		25Q 220 51 87 86 5			25Q 220 51 7A	
A 811A	2	SHLD A811	25N		E69-8	38N	220

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 115 OF 147

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	TERMINATION SPEC (1) ITEM NO.	NO.
A 811L		K32- 9	31Y	47	17	E7	25Y		171
A 811R		K32-13	31Y	47	17	XF6- 1	31Y		136
A 812	5	K32-11	31Y		17	TB12-35	25Y		7
A 813	15		250 220 51 66 58 5				250 220 51	7A	
A 813A	2	SHLD A813	25N			E69-B	38N		220
A 813L		K33- 2	31Y	47	18	XF11- 1	31Y		143
A 813R		K33- 6	31Y	47	18	XF10- 1	31Y		139
A 813Y		K33- 9	31Y	47	18	E10	25Y		168
A 814	3	K33-13	31Y	49	18	K34- 4	31Y	48	19
A 815	3	K33- 4	31Y		18	TB12-34	25Y		7
A 816	3	K37- 2	31Y		22	K34-11	31Y	48	19
A 817	3	K33-11	31Y		18	TB12-33	25Y		7
A 818	11		250 220 51 87 86 5				250 220 51	7A	
A 818A	2	SHLD A818	25N			E70-B	38N		221
A 818L		K34- 7	31Y		19	TB13- 2E	19N	42	125
A 818R		K34- 1	31Y		19	TB13- 1E	19N	42	125
A 819	11		250 220 51 87 86 5				250 220 51	7A	
A 819A	2	SHLD A819	25N			E70-B	38N		221

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 . DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 116 OF 147

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	TERMINATION SPEC (1) ITEM NO.	NO.
A 819L		K34- 6	31Y	47	19	E13	25Y		165
A 819R		K34- 2	31Y	47	19	XF14- 1	31Y		142
A 820	3	K34- 9	31Y	47	19	XF15- 1	31Y		137
A 821	11		250 220 51 87 86 5				250 220 51	7A	
A 821A	2	SHLD A821	25N			E70-B	38N		221
A 821L		K35- 7	31Y		20	TB17-19D	19N	42	121
A 821R		K35- 1	31Y		20	TB17-2JD	19N	42	121
A 822	11		250 220 51 87 86 5				250 220 51	7A	
A 822A	2	SHLD A822	25N			E70-B	38N		221
A 822L		K35- 6	31Y	47	20	E14	25Y		164
A 822R		K35- 2	31Y	47	20	XF16- 1	31Y		141
A 823	3	K35- 4	31Y	48	20	K37- 1	31Y	48	22
A 824	3	K35- 4	31Y		20	TB12-32	25Y		7
A 825	11		250 220 51 87 86 5				250 220 51	7A	
A 825A	2	SHLD A825	25N			E70-B	38N		221
A 825L		K35-14	31Y	47	20	TB11- 6E	19N	42	120
A 825R		K35- 8	31Y	47	20	TB11- 4E	19N	42	120
A 826	11		250 220 51 87 86 5				250 220 51	7A	

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 . DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 117 OF 147

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	TERMINATION SPEC (1) ITEM NO.	NO.
A 826A	2	SHLD A826	25N			E70-B	38N		221
A 826L		K35-13	31Y	47	20	E12	25Y		166
A 826R		K35- 9	31Y	47	20	XF13- 1	31Y		138
A 827	3	K35-11	31Y	46	20	K37- 2	31Y	48	22
A 828	3	K35-11	31Y		20	TB12-31	25Y		7
A 829	15		250 220 51 66 58 5				250 220 51	7A	
A 829A	2	SHLD A829	25N			E70-B	38N		221
A 829L		K36- 9	31Y	47	21	K37- 6	31Y	48	22
A 829R		K36- 2	31Y	47	21	K37- 9	31Y	48	22
A 829Y		K36- 6	31Y	47	21	K37- 2	31Y	48	22
A 830	15		250 220 51 66 58 5				250 220 51	7A	
A 830A	2	SHLD A830	25N			E70-B	38N		221
A 830L		K36-10	31Y	47	21	K37- 8	31Y	49	22
A 830R		K36- 3	31Y	47	21	K37-11	31Y	49	22
A 830Y		K36- 5	31Y	47	21	K37- 5	31Y	49	22
A 831	3	K36- 4	31Y		21	TB12-10	25Y		7
A 832	3	K36-11	31Y	47	21	TB7-13F	19N	43	111
A 833	15		250 220 51 66 58 5				250 220 51	7A	

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 . DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 118 OF 147

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT (2)	(1)	TERMINATION SPEC (1) ITEM NO.	NO.
A 833A	2	SHLD A833	25N			E70-B	38N		221
A 833L		K37- 6	31Y		22	E8	25Y		170
A 833R		K37- 9	31Y		22	XF8- 1	31Y		144
A 833Y		K37- 3	31Y		22	XF7- 1	31Y		140
A 834	3	K38- 1	31Y	49	23	K54-15	31Y	47	39
A 835	3	K38- 2	31Y	49	23	K54- 2	31Y	48	39
A 836	10		250 220 52 64 56 5				250 220 52	7A	
A 836A	2	SHLD A836	25N			E71-B	38N		222
A 836L		K38- 6	31Y	48	23	K41- 6	31Y	49	26
A 836R		K38- 3	31Y	49	23	K41- 3	31Y	49	26
A 837	10		250 220 52 64 56 5				250 220 52	7A	
A 837A	2	SHLD A837	25N			E71-B	38N		222
A 837L		K38- 8	31Y	49	23	K39- 3	31Y		24
A 837R		K38- 4	31Y		23	K39- 5	31Y	49	24
A 838	10		250 220 52 64 56 5				250 220 52	7A	
A 838A	2	SHLD A838	25N			E71-B	38N		222
A 838L		K38-12	31Y		23	K55- 6	31Y	48	40
A 838R		K38- 9	31Y	49	23	K55- 3	31Y	48	40

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 . DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR Y | SHEET 119 OF 147

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 1	2	TERMINATION SPEC 1 ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 1	2	TERMINATION SPEC 1 ITEM NO.	NO.
A 839	3	K39- 2	31Y	49		24	TB7-20E	19N	43		111
A 840	3	K40- 2	31Y	49		25	TB7-19C	19N	43		111
A 841	10		25Q	22Q 52 64 56 5				25Q	22Q 52	7A	
A 841A	2	SHLD A841	25N				E71-8	38N			222
A 841L		K40- 6	31Y	49		25	K55- 6	31Y			40
A 841R		K40- 3	31Y	49		25	K55- 3	31Y			40
A 842	10		25Q	22Q 52 64 56 5				25Q	22Q 52	7A	
A 842A	2	SHLD A842	25N				E71-8	38N			222
A 842L		K40- 7	31Y	49		25	K41- 8	31Y	49		26
A 842R		K40- 4	31Y	49		25	K41- 5	31Y	49		26
A 843	10		25Q	22Q 52 64 56 5				25Q	22Q 52	7A	
A 843A	2	SHLD A843	25N				E71-8	38N			222
A 843L		K40- 8	31Y	49		25	K54-12	31Y	49		39
A 843R		K40- 5	31Y	49		25	K54- 9	31Y	49		39
A 844	3	K41- 2	31Y	49		25	TB7-19B	19N	43		111
A 845	10		25Q	22Q 52 64 56 5				25Q	22Q 52	7A	
A 845A	2	SHLD A845	25N				E73-8	38N			224
A 845L		K41- 7	31Y	49		26	K56- 7	31Y	48		41

1 - THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 - DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 120 OF 147

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 1	2	TERMINATION SPEC 1 ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 1	2	TERMINATION SPEC 1 ITEM NO.	NO.
A 845R		K41- 4	31Y	49		26	K56-10	31Y	49		41
A 846	3	K42-18	31Y	47		27	K43- 1	31Y	48		28
A 847	3	K42- 2	31Y	49		27	K43- 2	31Y	48		28
A 848	3	K43- 1	31Y			28	K59- 1	31Y	48		44
A 849	3	K43- 2	31Y			28	K59- 2	31Y	48		44
A 850	10		25Q	22Q 52 64 56 5				25Q	22Q 52	7A	
A 850A	2	SHLD A850	25N				E73-8	38N			224
A 850L		K43-14	31Y	49		28	TB17- 2D	19N	42		121
A 850R		K43-17	31Y	49		28	TB17- 1D	19N	42		121
A 851	3	K44-18	31Y	47		29	K45- 1	31Y			30
A 852	3	K44- 2	31Y	48		29	K45- 2	31Y	49		30
A 853	3	K44- 2	31Y			29	TB7-18E	19N	43		111
A 854	3	K44- 4	31Y	49		29	K45-15	31Y	49		30
A 855	10		25Q	22Q 52 64 56 5				25Q	22Q 52	7A	
A 855A	2	SHLD A855	25N				E73-8	38N			224
A 855L		K44-10	31Y	48		29	K59-16	31Y			44
A 855R		K44- 7	31Y	48		29	K59-19	31Y			44
A 856	10		25Q	22Q 52 64 56 5				25Q	22Q 52	7A	

1 - THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 - DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 121 OF 147

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 1	2	TERMINATION SPEC 1 ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 1	2	TERMINATION SPEC 1 ITEM NO.	NO.
A 856A	2	SHLD A856	25N				E73-8	38N			224
A 856L		K44-11	31Y	49		29	TB11-16D	19N	42		120
A 856R		K44- 8	31Y	49		29	TB11-15D	19N	42		120
A 857	10		25Q	22Q 52 64 56 5				25Q	22Q 52	7A	
A 857A	2	SHLD A857	25N				E73-8	38N			224
A 857L		K44-16	31Y	48		29	K59-10	31Y			44
A 857R		K44-13	31Y	48		29	K59-13	31Y			44
A 858	10		25Q	22Q 52 64 56 5				25Q	22Q 52	7A	
A 858A	2	SHLD A858	25N				E73-8	38N			224
A 858L		K44-17	31Y	49		29	TB11-18D	19N	42		120
A 858R		K44-14	31Y	49		29	TB11-17D	19N	42		120
A 859	10		25Q	22Q 52 64 56 5				25Q	22Q 52	7A	
A 859A	2	SHLD A859	25N				E73-8	38N			224
A 859L		K45- 7	31Y			30	K59- 4	31Y			44
A 859R		K45- 4	31Y			30	K59- 7	31Y			44
A 860	10		25Q	22Q 52 64 56 5				25Q	22Q 52	7A	
A 860A	2	SHLD A860	25N				E73-8	38N			224
A 860L		K45- 8	31Y	49		30	K59- 5	31Y	48		44

1 - THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 - DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 122 OF 147

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 1	2	TERMINATION SPEC 1 ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 1	2	TERMINATION SPEC 1 ITEM NO.	NO.
A 860R		K45- 5	31Y	49		30	K59- 8	31Y	48		44
A 861	10		25Q	22Q 52 64 56 5				25Q	22Q 52	7A	
A 861A	2	SHLD A861	25N				E73-8	38N			224
A 861L		K45-13	31Y			30	K60-10	31Y			45
A 861R		K45-10	31Y			30	K60-13	31Y			45
A 862	10		25Q	22Q 52 64 56 5				25Q	22Q 52	7A	
A 862A	2	SHLD A862	25N				E73-8	38N			224
A 862L		K45-14	31Y	49		30	K60-11	31Y	48		45
A 862R		K45-11	31Y	49		30	K60-14	31Y	48		45
A 863	3	K46-18	31Y	47		31	K47- 1	31Y	49		32
A 864	3	K46- 2	31Y	49		31	K47- 2	31Y	49		32
A 865	3	K47- 2	31Y			32	K64- 2	31Y	49		49
A 866	10		25Q	22Q 52 64 56 5				25Q	22Q 52	7A	
A 866A	2	SHLD A866	25N				E75-8	38N			228
A 866L		K47-14	31Y	49		32	TB17- 4D	19N	42		121
A 866R		K47-17	31Y	49		32	TB17- 3D	19N	42		121
A 867	3	K48-18	31Y	47		33	K49- 1	31Y			34
A 868	3	K48- 2	31Y	48		33	K49- 2	31Y	49		34

1 - THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 - DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 123 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO.	TO NO.
A 869 3		K48- 2	31Y		33	TB7-17D	19N	43	111
A 870 3		K48- 4	31Y	49	33	K49-15	31Y	49	34
A 871 10		25Q 220 52 64 56 5				25Q 220 52		7A	
A 871A 2		SHLD A871	25N			E75-B	38N		226
A 871L		K48-10	31Y		33	K63-16	31Y		48
A 871R		K48- 7	31Y		33	K63-19	31Y		48
A 872 10		25Q 220 52 64 56 5				25Q 220 52		7A	
A 872A 2		SHLD A872	25N			E75-B	38N		226
A 872L		K48-11	31Y	49	33	TB11-12E	19N	42	120
A 872R		K48- 8	31Y	49	33	TB11-11E	19N	42	120
A 873 10		25Q 220 52 64 56 5				25Q 220 52		7A	
A 873A 2		SHLD A873				E75-B	38N		226
A 873L		K48-16	31Y		33	K63-10	31Y		48
A 873R		K48-13	31Y		33	K63-13	31Y		48
A 874 10		25Q 220 52 64 56 5				25Q 220 52		7A	
A 874A 2		SHLD A874	25N			E75-B	38N		226
A 874L		K48-17	31Y	49	33	TB11-10E	19N	42	120
A 874R		K48-14	31Y	49	33	TB11- 9E	19N	42	120

1 - THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 - DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 124 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO.	TO NO.
A 875 10		25Q 220 52 64 56 5				25Q 220 52		7A	
A 875A 2		SHLD A875	25N			E75-B	38N		226
A 875L		K49- 7	31Y		34	K63- 4	31Y		48
A 875R		K49- 4	31Y		34	K63- 7	31Y		48
A 876 10		25Q 220 52 64 56 5				25Q 220 52		7A	
A 876A 2		SHLD A876	25N			E75-B	38N		226
A 876L		K49- 8	31Y	49	34	K63- 5	31Y	48	48
A 876R		K49- 5	31Y	49	34	K63- 8	31Y	48	48
A 877 10		25Q 220 52 64 56 5				25Q 220 52		7A	
A 877A 2		SHLD A877	25N			E75-B	38N		226
A 877L		K49-13	31Y		34	K64-10	31Y		49
A 877R		K49-10	31Y		34	K64-13	31Y		49
A 878 10		25Q 220 52 64 56 5				25Q 220 52		7A	
A 878A 2		SHLD A878	25N			E75-B	38N		226
A 878L		K49-14	31Y	49	34	K64-11	31Y	48	49
A 878R		K49-11	31Y	49	34	K64-14	31Y	48	49
A 879 3		K50-18	31Y	47	35	K51- 1	31Y	48	36
A 880 3		K50- 2	31Y	49	35	K51- 2	31Y	48	36

1 - THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 - DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 125 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO.	TO NO.
A 881 10		25Q 220 52 64 56 5				25Q 220 52		7A	
A 881A 2		SHLD A881	25N			E75-B	38N		226
A 881L		K50-14	31Y	49	35	TB17- 6D	19N	42	121
A 881R		K50-17	31Y	49	35	TB17- 5D	19N	42	121
A 882 3		K51- 1	31Y		36	K67- 1	31Y	48	52
A 883 3		K51- 2	31Y		36	K68- 2	31Y	49	53
A 884 3		K52-18	31Y	47	37	K53- 1	31Y		38
A 885 3		K52- 2	31Y	48	37	K53- 2	31Y	49	38
A 886 3		K52- 2	31Y		37	TB7-16D	19N	43	111
A 887 3		K52- 4	31Y	49	37	K53-15	31Y	49	38
A 888 1		K52-10	31Y	49	37	TB11-14E	19N	42	120
A 889 1		K52- 7	31Y		37	K67-19	31Y		52
A 890 10		25Q 220 52 64 56 5				25Q 220 52		7A	
A 890A 2		SHLD A890	25N			E76-B	38N		228
A 890L		K52-11	31Y	49	37	K67-17	31Y	48	52
A 890R		K52- 8	31Y	49	37	K67-20	31Y	48	52
A 891 1		K52-13	31Y		37	K67-13	31Y		52
A 892 1		K52-16	31Y	49	37	TB11- 8E	19N	42	120

1 - THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 - DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 126 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR NUMBER	INDIVIDUAL LENGTH ITEM NO.	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	FROM TERMINATION SPEC	FROM ITEM NO.	FROM NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	TO TERMINATION SPEC	TO ITEM NO.	TO NO.
A 893 10		25Q 220 52 64 56 5				25Q 220 52		7A	
A 893A 2		SHLD A893	25N			E76-B	38N		228
A 893L		K52-17	31Y	49	37	K67-11	31Y	49	52
A 893R		K52-14	31Y	49	37	K67-14	31Y	48	52
A 894 10		25Q 220 52 64 56 5				25Q 220 52		7A	
A 894A 2		SHLD A894	25N			E76-B	38N		228
A 894L		K53- 7	31Y		38	K67- 4	31Y		52
A 894R		K53- 4	31Y		38	K67- 7	31Y		52
A 895 10		25Q 220 52 64 56 5				25Q 220 52		7A	
A 895A 2		SHLD A895	25N			E76-B	38N		228
A 895L		K53- 8	31Y	49	38	K67- 5	31Y	48	52
A 895R		K53- 5	31Y	49	38	K67- 8	31Y	48	52
A 896 10		25Q 220 52 64 56 5				25Q 220 52		7A	
A 896A 2		SHLD A896	25N			E76-B	38N		228
A 896L		K53-13	31Y		38	K68-10	31Y		53
A 896R		K53-10	31Y		38	K68-13	31Y		53
A 897 10		25Q 220 52 64 56 5				25Q 220 52		7A	
A 897A 2		SHLD A897	25N			E76-B	38N		228

1 - THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 - DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 127 OF 147

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 1 B	TERMINATION SPEC 1	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 1 B	TERMINATION SPEC 1	ITEM NO.	NO.
A 897L		K53-14	31Y	49		38	K68-11	31Y	48		53
A 897R		K53-11	31Y	49		38	K68-14	31Y	48		53
A 898	3	K54- 2	31Y			39	TB7-19E	19N	43		111
A 899	10		25Q	22Q 52 64 56 5				25Q	22Q 52	7A	
A 899A	2	SHLD A899	25N				E71-B	38N			222
A 899L		K54- 6	31Y	49		39	K55- 8	31Y	49		40
A 899R		K54- 3	31Y	49		39	K55- 5	31Y	49		40
A 900	10		25Q	20Q 52 64 56 5				25Q	22Q 52	7A	
A 900A	2	SHLD A900	25N				E71-B	38N			222
A 900L		K54- 8	31Y			39	K55- 7	31Y	48		40
A 900R		K54- 5	31Y			39	K55- 4	31Y	48		40
A 901	10		25Q	22Q 52 64 56 5				25Q	22Q 52	7A	
A 901A	2	SHLD A901	25N				E71-B	38N			222
A 901L		K54-14	31Y			39	K56- 7	31Y			41
A 901R		K54-11	31Y			39	K56- 4	31Y	48		41
A 902	3	K55- 2	31Y	49		40	TB7-19D	19N	43		111
A 903	3	K56- 2	31Y	49		41	TB7-18B	19N	43		111
A 904	7		25Q	22Q 52 64 56 5				20Q	17Q 52	7A	

1 - THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 - DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 128 OF 147

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 1 B	TERMINATION SPEC 1	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 1 B	TERMINATION SPEC 1	ITEM NO.	NO.
A 904A	2	SHLD A904	25N				E71-B	38N			222
A 904R		K56- 3	31Y	49		41	E4	25Y			540
A 905	10		25Q	22Q 52 64 56 5				25Q	22Q 52	7A	
A 905A	2	SHLD A905	25N				E71-B	38N			222
A 905L		K56- 6	31Y	49		41	E2	25Y			540
A 905R		K56- 9	31Y	49		41	E3	25Y			540
A 906	3	K57-15	31Y	47		42	K58- 1	31Y	48		43
A 907	3	K57- 2	31Y	48		42	TB7-18C	19N	43		111
A 908	3	K57- 2	31Y			42	K58- 2	31Y	48		43
A 909	10		25Q	22Q 52 64 56 5				25Q	22Q 52	7A	
A 909A	2	SHLD A909	25N				E72-B	38N			223
A 909L		K57- 3	31Y	49		42	K61- 3	31Y	48		46
A 909R		K57- 6	31Y	49		42	K61- 6	31Y	48		46
A 910	10		25Q	20Q 52 64 56 5				25Q	22Q 52	7A	
A 910A	2	SHLD A910	25N				E72-B	38N			223
A 910L		K57- 5	31Y	49		42	K60-11	31Y			45
A 910R		K57- 8	31Y	49		42	K60-14	31Y			45
A 911	10		25Q	22Q 52 64 56 5				25Q	22Q 52	7A	

1 - THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 - DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 129 OF 147

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 1 B	TERMINATION SPEC 1	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 1 B	TERMINATION SPEC 1	ITEM NO.	NO.
A 911A	2	SHLD A911	25N				E72-B	38N			223
A 911L		K57- 9	31Y	49		42	K61- 9	31Y	48		46
A 911R		K57-12	31Y	49		42	K61-12	31Y	48		46
A 912	10		25Q	22Q 52 64 56 5				25Q	22Q 52	7A	
A 912A	2	SHLD A912	25N				E72-B	38N			223
A 912L		K57-11	31Y	49		42	K59- 5	31Y			44
A 912R		K57-14	31Y	49		42	K59- 8	31Y			44
A 913	10		25Q	22Q 52 64 56 5				25Q	22Q 52	7A	
A 913A	2	SHLD A913	25N				E72-B	38N			223
A 913L		K58- 3	31Y	49		43	K62- 3	31Y	48		47
A 913R		K58- 6	31Y	49		43	K62- 6	31Y	48		47
A 914	10		25Q	22Q 52 64 56 5				25Q	22Q 52	7A	
A 914A	2	SHLD A914	25N				E72-B	38N			223
A 914L		K58- 8	31Y	49		43	K59-11	31Y			44
A 914R		K58- 5	31Y	49		43	K59-14	31Y			44
A 915	10		25Q	22Q 52 64 56 5				25Q	22Q 52	7A	
A 915A	2	SHLD A915	25N				E72-B	38N			223
A 915L		K58- 9	31Y	49		43	K62- 9	31Y	48		47

1 - THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 - DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 130 OF 147

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 1 B	TERMINATION SPEC 1	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	T 1 B	TERMINATION SPEC 1	ITEM NO.	NO.
A 915R		K58-12	31Y	49		43	K62-12	31Y	48		47
A 916	10		25Q	22Q 52 64 56 5				25Q	22Q 52	7A	
A 916A	2	SHLD A916	25N				E72-B	38N			223
A 916L		K58-11	31Y	49		43	K59-17	31Y			44
A 916R		K58-14	31Y	49		43	K59-20	31Y			44
A 917	3	K59- 1	31Y			44	K60- 1	31Y			45
A 918	3	K59- 2	31Y			44	K60- 2	31Y	48		45
A 919	10		25Q	22Q 52 64 56 5				25Q	22Q 52	7A	
A 919A	2	SHLD A919	25N				E72-B	38N			223
A 919L		K59-11	31Y	48		44	TB11-18E	19N	42		120
A 919R		K59-14	31Y	48		44	TB11-17E	19N	42		120
A 920	10		25Q	22Q 52 64 56 5				25Q	22Q 52	7A	
A 920A	2	SHLD A920	25N				E72-B	38N			223
A 920L		K59-17	31Y	48		44	TB11-16E	19N	42		120
A 920R		K59-20	31Y	48		44	TB11-15E	19N	42		120
A 921	3	K60- 2	31Y			45	TB7-18D	19N	43		111
A 922	3	K61-15	31Y	47		46	K62- 1	31Y	48		47
A 923	3	K61- 2	31Y	48		46	K62- 2	31Y	48		47

1 - THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 - DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 131 OF 147

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	3	4	TERMINATION SPEC 1	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	3	4	TERMINATION SPEC 1	ITEM NO	NO.
A 924	3	K61- 4	31Y				46	TB7-17B	19N			43	111
A 925	10		25Q	22Q	52 64 56 5				25Q	22Q	52		7A
A 925A	2	SHLD A925	25N					E74-B	38N				225
A 925L		K61- 3	31Y				46	K65- 3	31Y				50
A 925R		K61- 6	31Y				46	K65- 6	31Y				50
A 926	10		25Q	22Q	52 64 56 5				25Q	22Q	52		7A
A 926A	2	SHLD A926	25N					E74-B	38N				225
A 926L		K61- 5	31Y		49		46	K64-11	31Y				49
A 926R		K61- 8	31Y		49		46	K64-14	31Y				49
A 927	10		25Q	22Q	52 64 56 5				25Q	22Q	52		7A
A 927A	2	SHLD A927	25N					E74-B	38N				225
A 927L		K61- 9	31Y				46	K65- 9	31Y				50
A 927R		K61-12	31Y				46	K65-12	31Y				50
A 928	10		25Q	22Q	52 64 56 5				25Q	22Q	52		7A
A 928A	2	SHLD A928	25N					E74-B	38N				225
A 928L		K61-11	31Y		49		46	K63- 5	31Y				48
A 928R		K61-14	31Y		49		46	K63- 8	31Y				48
A 929	10		25Q	22Q	52 64 56 5				25Q	22Q	52		7A

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 132 OF 147

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	3	4	TERMINATION SPEC 1	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	3	4	TERMINATION SPEC 1	ITEM NO.	NO.
A 929A	2	SHLD A929	25N					E74-B	38N				225
A 929L		K62- 3	31Y				47	K66- 3	31Y				51
A 929R		K62- 6	31Y				47	K66- 6	31Y				51
A 930	10		25Q	22Q	52 64 56 5				25Q	22Q	52		7A
A 930A	2	SHLD A930	25N					E74-B	38N				225
A 930L		K62- 8	31Y		49		47	K63-11	31Y				48
A 930R		K62- 5	31Y		49		47	K63-14	31Y				48
A 931	10		25Q	22Q	52 64 56 5				25Q	22Q	52		7A
A 931A	2	SHLD A931	25N					E74-B	38N				225
A 931L		K62- 9	31Y				47	K66- 9	31Y				51
A 931R		K62-12	31Y				47	K66-12	31Y				51
A 932	10		25Q	22Q	52 64 56 5				25Q	22Q	52		7A
A 932A	2	SHLD A932	25N					E74-B	38N				225
A 932L		K62-11	31Y				47	K63-17	31Y				48
A 932R		K62-14	31Y		49		47	K63-20	31Y				48
A 933	3	K63- 1	31Y		48		48	K64- 1	31Y				49
A 934	3	K63- 2	31Y		48		48	K64- 2	31Y				49
A 935	3	K63- 2	31Y				48	TB7-17C	19N		43		121

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 133 OF 147

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	3	4	TERMINATION SPEC 1	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	3	4	TERMINATION SPEC 1	ITEM NO	NO.
A 936	10		25Q	22Q	52 64 56 5				25Q	22Q	52		7A
A 936A	2	SHLD A936	25N					E74-B	38N				225
A 936L		K63-11	31Y				48	TB11-10D	19N		42		120
A 936R		K63-14	31Y				48	TB11- 9D	19N		42		120
A 937	10		25Q	22Q	52 64 56 5				25Q	22Q	52		7A
A 937A	2	SHLD A937	25N					E74-B	38N				225
A 937L		K63-17	31Y				48	TB11-12D	19N		42		120
A 937R		K63-20	31Y				48	TB11-11D	19N		42		120
A 938	3	K65-15	31Y		47		50	K66- 1	31Y		49		51
A 939	3	K65- 2	31Y		48		50	K66- 2	31Y		49		51
A 940	3	K65- 2	31Y				50	TB7-17E	19N		43		111
A 941	10		25Q	22Q	52 64 56 5				25Q	22Q	52		7A
A 941A	2	SHLD A941	25N					E76-B	38N				228
A 941L		K65- 5	31Y		49		50	K68-14	31Y				53
A 941R		K65- 8	31Y		49		50	K68-11	31Y				53
A 942	10		25Q	22Q	52 64 56 5				25Q	22Q	52		7A
A 942A	2	SHLD A942	25N					E76-B	38N				228
A 942L		K65-11	31Y		49		50	K67- 5	31Y				52

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 134 OF 147

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. 2	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	3	4	TERMINATION SPEC 1	ITEM NO	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT 2	3	4	TERMINATION SPEC 1	ITEM NO	NO.
A 942R		K65-14	31Y		49		50	K67- 8	31Y				52
A 943	10				52 64 56 5				25Q	22Q	52		7A
A 943A	2	SHLD A943	25N					E76-B	38N				228
A 943L		K66- 5	31Y		49		51	K67-11	31Y				52
A 943R		K66- 8	31Y		49		51	K67-14	31Y				52
A 944	10		25Q	22Q	52 64 56 5				25Q	22Q	52		7A
A 944A	2	SHLD A944	25N					E76-B	38N				228
A 944L		K66-11	31Y		49		51	K67-17	31Y				52
A 944R		K66-14	31Y		49		51	K67-20	31Y				52
A 945	3	K67- 1	31Y				52	K68- 1	31Y				53
A 946	3	K67- 2	31Y		48		52	K68- 2	31Y				53
A 947	3	K67- 2	31Y				52	TB7-16C	19N		43		111
A 948	1	K67-10	31Y				52	TB11- 8D	19N		42		120
A 949	1	K67-16	31Y				52	TB11-14D	19N		42		120
A 950	3	P1-A	22N				69	K7- 7	31Y		49		58
A 951	3	P1-B	31Y		90		69	TB7-16B	19N		43		111
A 952	1	P1-C	31Y		90		69	K25- 8	31Y		49		11
A 953	1	P1-D	22N				69	TB1-22	25Y				67

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 135 OF 147

CONDUCTOR NUMBER	ITEM NO.	FROM CIRCUIT POINT	CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TERMINATION SPEC	ITEM NO.	NO.	TO CIRCUIT POINT	CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TERMINATION SPEC	ITEM NO.	NO.
A 954	1	P1-U	22N		88 89	69	K25- 4	31Y			11
A 955	1	P1-U	22N			69	P4-F	22N			70
A 956	1	P1-V	31Y		90	69	K25- 1	31Y		49	11
A 957	1	P1-W	22N		88 89	69	K25- 7	31Y		49	11
A 958	1	P1-X	31Y		90	69	TB7-12B	19N		42	111
A 959	1	P1-W	22N			69	TB1-24	25Y			67
A 960	1	P2-D*	31Y		90	68	K7- 1	31Y		49	58
A 961	1	P4-X	22N			70	P6-D*	22N		88 89	75
A 962	1	P4-D*	31Y		90	70	K8- 2	31Y		47	64
A 963	1	P6-N	22N			75	K8-13	31Y		47	64
A 964	1	P6-D*	22N			75	P8-D*	22N		88 89	72
A 965	1	P8-L*	22N			72	P9-A	22N			71
A 966	1	P8-D*	31Y			72	P10-D*	22N		88 89	74
A 967	1	P10-D*	22N			74	K8- 4	31Y			64
A 969	3	TB1- 1	25Y			67	TB6- 7B	19N		43	65
A 970	3	TB6- 7A	19N		39	69	TB7-15B	19N		43	111
A 971	3	TB7-15C	19N		43	111	TB12- 1	25Y			7
A 972	6	TB8-16	31N		41	112	TB14-16	31N		41	124

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 136 OF 147

CONDUCTOR NUMBER	ITEM NO.	FROM CIRCUIT POINT	CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TERMINATION SPEC	ITEM NO.	NO.	TO CIRCUIT POINT	CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TERMINATION SPEC	ITEM NO.	NO.
A 973	6	TB8- 2	31N		41	112	TB16-16	31N		41	122
A 974	5	TB8-12	19N		40	112	TB10- 2	19N		40	119
A 975	6	TB8-14	31N		41	112	TB9- 2	31N		41	124
A 976	6	J30-G	41Y		46	99	TB15-16	31N		41	123
A 977	4	XF1- 2	31Y			128	TB5- 7	19N		40	54C
A 978	6	XF2- 2	31Y			131	TB5- 8	31		41	54F
A 979	4	XF3- 2	31Y			127	TB5- 9	19N		40	54C
A 980	4	XF4- 2	31Y			130	TB5-10	19N		40	54M
A 981	3	E20-BB	38N			192	E80-B	38N			193
A 982	3	E21-BB	38N			174	E79-B	38N			191
A 983	3	E22-BB	38N			173	E79-B	38N			191
A 984	3	E23-BB	38N			176	E79-B	38N			191
A 985	3	E24-BB	38N			177	E79-B	38N			191
A 986	3	E25-BB	38N			175	E79-B	38N			191
A 987	3	E26-BB	38N			179	E31-B	38N			178
A 988	3	E27-BB	38N			181	E31-B	38N			178
A 989	3	E28-BB	38N			183	E31-B	38N			178
A 990	3	E29-BB	38N			182	E31-B	38N			178

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR U | SHEET 137 OF 147

CONDUCTOR NUMBER	ITEM NO.	FROM CIRCUIT POINT	CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TERMINATION SPEC	ITEM NO.	NO.	TO CIRCUIT POINT	CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TERMINATION SPEC	ITEM NO.	NO.
A 991	3	E30-BB	38N			160	E31-B	38N			178
A 992	4	E31-BB	38N			178	TB15- 6	31N		41	123
A 993	3	E32-BB	38N			189	E80-B	38N			193
A 994	3	E33-BB	38N			187	E80-B	38N			193
A 995	3	E34-BB	38N			188	E80-B	38N			193
A 996	3	E35-BB	38N			190	E80-B	38N			193
A 997	3	E36-BB	38N			148	E39-B	38N			147
A 998	3	E37-BB	38N			150	E39-B	38N			147
A 999	3	E38-BB	38N			149	E39-B	38N			147
A1000	4	E39-BB	38N			147	TB15- 8	19N		40	123
A1001	4	E40-BB	38N			159	TB15- 9	19N		40	123
A1002	3	E41-BB	38N			158	E40-B	38N			159
A1003	3	E42-BB	38N			160	E40-B	38N			159
A1004	3	E89-B	38N			152	E40-B	38N			159
A1005	3	E90-BB	38N			151	E40-B	38N			159
A1006	3	E45-BB	38N			154	E49-B	38N			155
A1007	3	E46-BB	38N			153	E49-B	38N			155
A1008	3	E47-BB	38N			156	E49-B	38N			155

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 138 OF 147

CONDUCTOR NUMBER	ITEM NO.	FROM CIRCUIT POINT	CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TERMINATION SPEC	ITEM NO.	NO.	TO CIRCUIT POINT	CUT WIRE OR SHIELD STRIP WIRE OR JACKET	TERMINATION SPEC	ITEM NO.	NO.
A1009	3	E48-BB	38N			157	E49-B	38N			155
A1010	3	E49-BB	38N			155	TB15-10	19N		39	123
A1011	3	E50-BB	38N			218	E81-B	38N			216
A1012	3	E51-BB	38N			217	E81-B	38N			216
A1013	3	E52-BB	38N			215	E81-B	38N			216
A1014	3	E53-BB	38N			214	E81-B	38N			216
A1015	3	E54-BB	38N			213	E81-B	38N			216
A1016	3	E55-BB	38N			212	E82-B	38N			197
A1017	3	E56-BB	38N			210	E88-B	38N			198
A1018	3	E57-BB	38N			209	E64-B	38N			200
A1019	3	E58-BB	38N			208	E64-B	38N			200
A1020	3	E59-BB	38N			207	E82-B	38N			197
A1021	3	E60-BB	38N			206	E82-B	38N			197
A1022	3	E62-BB	38N			205	E88-B	38N			198
A1023	3	E63-BB	38N			204	E64-B	38N			200
A1024	4	E64-BB	38N			200	TB15-11	19N		40	123
A1025	3	E65-BB	38N			203	E88-B	38N			198
A1026	3	E66-BB	38N			202	E88-B	38N			198

1 > THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2 > DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 139 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	TERMINATION SPEC (1) ITEM NO.	NO.
A1027	3	E67-BB	38N			201	E88-B	38N			198
A1028	3	E68-BB	38N			219	E77-B	38N			229
A1029	3	E69-BB	38N			220	E77-B	38N			229
A1030	3	E70-BB	38N			221	E77-B	38N			229
A1031	3	E71-BB	38N			222	E78-B	38N			227
A1032	3	E72-BB	38N			223	E78-B	38N			227
A1033	3	E73-BB	38N			224	E78-B	38N			227
A1034	3	E74-BB	38N			225	E78-B	38N			227
A1035	3	E75-BB	38N			226	E78-B	38N			227
A1036	3	E76-BB	38N			228	E77-B	38N			229
A1037	4	E77-BB	38N			229	TB15- 7	19N		40	123
A1038	4	E78-BB	38N			227	TB15- 5	19N		40	123
A1039	4	E79-BB	38N			191	TB15- 2	19N		40	123
A1040	4	E80-BB	38N			193	TB15- 4	19N		40	123
A1041	4	E81-BB	38N			216	TB15-12	19N		40	123
A1042	4	E82-BB	38N			197	TB15-13	19N		40	123
A1043	4	E83-BB	38N			196	TB9-12	19N		40	115
A1044	4	E84-BB	38N			162	TB9-14	19N		40	116

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 140 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	TERMINATION SPEC (1) ITEM NO.	NO.
A1045	4	E85-BB	38N			184	TB8- 9	19N		40	112
A1046	4	E86-BB	38N			185	TB8-11	19N		40	112
A1047	4	E87-BB	38N			195	TB16- 6	19N		40	122
A1048	4	K6-10	31Y		47	59	E15	25Y			230
A1049	4	E88-BB	38N			198	TB15-14	19N		40	123
A1051	3	E43-BB	38N			145	E39-B	38N			147
A1052	3	E44-BB	38N			146	E39-B	38N			147
A1053	3	K47- 1	31Y			32	K63- 1	31Y			48
A1054	9		28U	25U	52 63 55 5			28U	25U 53	7A	
A1054A	2	SHLD A1054	25N				E65-B	38N			203
A1054W		J43-E	22N			91	TB6- 3D	19N		43	65
A1055	10		28U	25U	52 64 56 5			28U	25U 52	7A	
A1055A	2	SHLD A1055	25N				E33-B	38N			187
A1055L		J10-F*	22N			169	J34-D	22N			87
A1055R		J10-E*	22N			109	J34-C	22N			87
A1056	7		28U	25U	52 62 54 5			28U	25U 53	7A	
A1056A	2	SHLD A1056	25N				E33-B	38N			187
A1056W		J10-G*	22N			109	XF17- 2	31Y			126

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 141 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	TERMINATION SPEC (1) ITEM NO.	NO.
A1057	7		28U	25U	52 62 54 5			25U	22U 53	7A	
A1057A	2	SHLD A1057	25N				E33-B	38N			187
A1057W		J10-H*	22N			109	XF18- 2	31Y			129
A1060	3	E61-BB	38N			199	E82-B	38N			197
A1061	3	J31-D*	22N			96	TB13-16U	19N		42	125
A1062	3	E91-BB	38N			186	E79-B	38N			191
A1063	1	P10-T	22N			74	P11-A	22N			73
A1064	1	P10-U	22N			74	P11-B	22N			73
A1065	1	P10-V	22N			74	P11-C	22N			73
A1066	1	P10-W	22N			74	P11-D	22N			73
A1067	1	P10-X	22N			74	P11-E	22N			73
A1068	1	P10-Y	22N			74	P11-F	22N			73
A1069	1	P10-Z	22N			74	P11-G	22N			73
A1070	1	P10-A*	22N			74	P11-H	22N			73
A1071	1	P10-B*	22N			74	P11-J	22N			73
A1072	1	P10-C*	22N			74	P11-K	22N			73
A1073	4	E92-BB	38N			194	TB16-11	19N		40	122
A1074	3	E93-BB	38N			161	E40-B	38N			159

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 142 OF 147

GFA WIRING HARNESS A S 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO. (2)	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	TERMINATION SPEC (1) ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	(2)	(1)	TERMINATION SPEC (1) ITEM NO.	NO.
A1075	3	E94-BB	38N			211	E88-B	38N			198
A1076	4	J30-K	41Y		46	99	TB15- 3	19N		40	123
A1077	3	J34-H	22N			87	E84-B	38N			162
A1078	3	J9-C	22N			108	J26-C	22N			77
A1083	3	J7-C	22N			106	XF19- 1	31Y			133
A1084	3	J7-D	22N			106	TB7-15E	19N		43	111
A1085	3	TB7- 8D	19N		43	111	K54-16	31Y		46	39
A1086	3	TB7- 8E	19N		43	111	K42-19	31Y		46	27
A1087	3	K42-19	31Y			27	K44-19	31Y		46	29
A1088	3	K44-19	31Y			29	K46-19	31Y		46	31
A1089	3	K46-19	31Y			31	K48-19	31Y		46	33
A1090	3	K48-19	31Y			33	K50-19	31Y		46	35
A1091	3	K50-19	31Y			35	K52-19	31Y		47	37
A1092	3	K54-16	31Y			39	K57-16	31Y		46	42
A1093	3	K57-16	31Y			42	K61-16	31Y		46	46
A1094	3	K61-16	31Y			46	K65-16	31Y		46	50
A1095	3	K65-16	31Y			50	K33-12	31Y		48	18
A1096	3	K33-12	31Y			18	K31-12	31Y		49	16

(1) THE STD CONDUCTOR TERMINATION FIGURES ARE PER
(2) DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712
SCALE - NONE | REV LTR S | SHEET 143 OF 147

GFA WIRING HARNESS A V 1900712

CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	3	T 1 2	TERMINATION SPEC 1	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	3	T 1 2	TERMINATION SPEC 1	ITEM NO.	NO
A1097	3		TB7-12F	19N		43		111	K2-12	19N		45		63A
A1098	3		TB7-11E	19N		43		111	XF19- 2	31Y				133
A1099	3		TB7- 8C	19N		43		111	XF19- 2	31Y				133
A1100	3		K34- 4	31Y				19	K37- 1	31Y				22
A1101	3		K34-11	31Y				19	K36-11	31Y				21
A1102	1		K31- 2	31Y				16	TB12-16	25Y				26L
A1103	1		K31-11	31Y				16	TB12-15	25Y				26B
A1104	6		J46-X	28Y		46		83	TB9- 4	31N		41		116A
A1105	3		TB6- 6C	19N		43		65	TB8- 6	19N		39		112
A1106	6		J40-X	41Y		46		84	TB15-15	31N		41		123
A1107	10			250	200 52 64 56 5					250	220 52			7A
A1107A	2		SHLD A1107	25N					E48-B	38N				157
A1107L			J27-C	22N				78	K21- 3	31Y				6
A1107R			J27-A	22N				78	K21- 5	31Y				6
A1108	10			250	200 52 64 56 5					250	220 52			7A
A1108A	2		SHLD A1108	25N					E48-B	38N				157
A1108L			J25-C	22N				76	K21- 2	31Y				6
A1108R			J25-A	22N				76	K21- 6	31Y				6

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

SCALE - NONE | REV LTR V | SHEET 144 OF 147

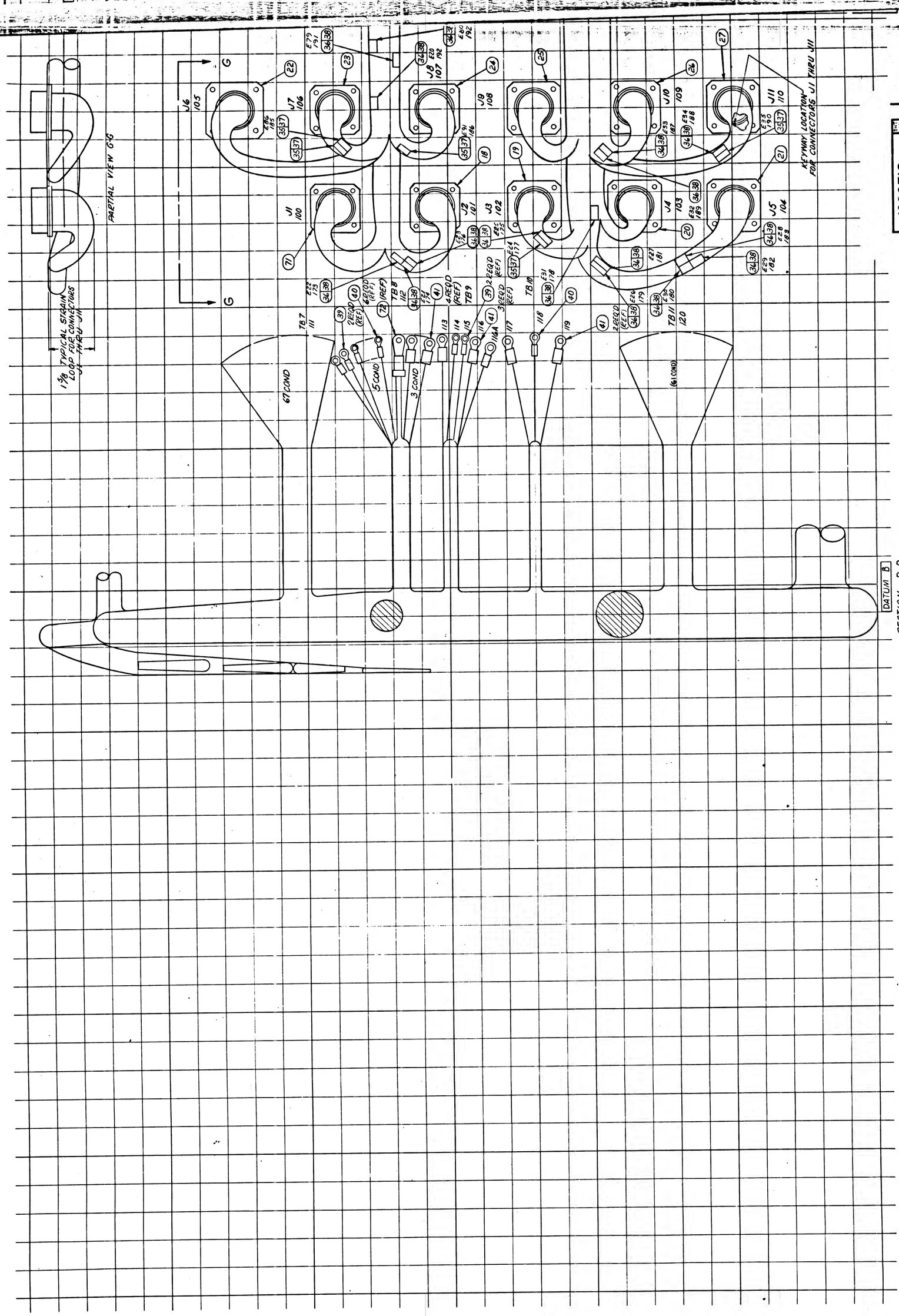
GFA WIRING HARNESS A U 1900712

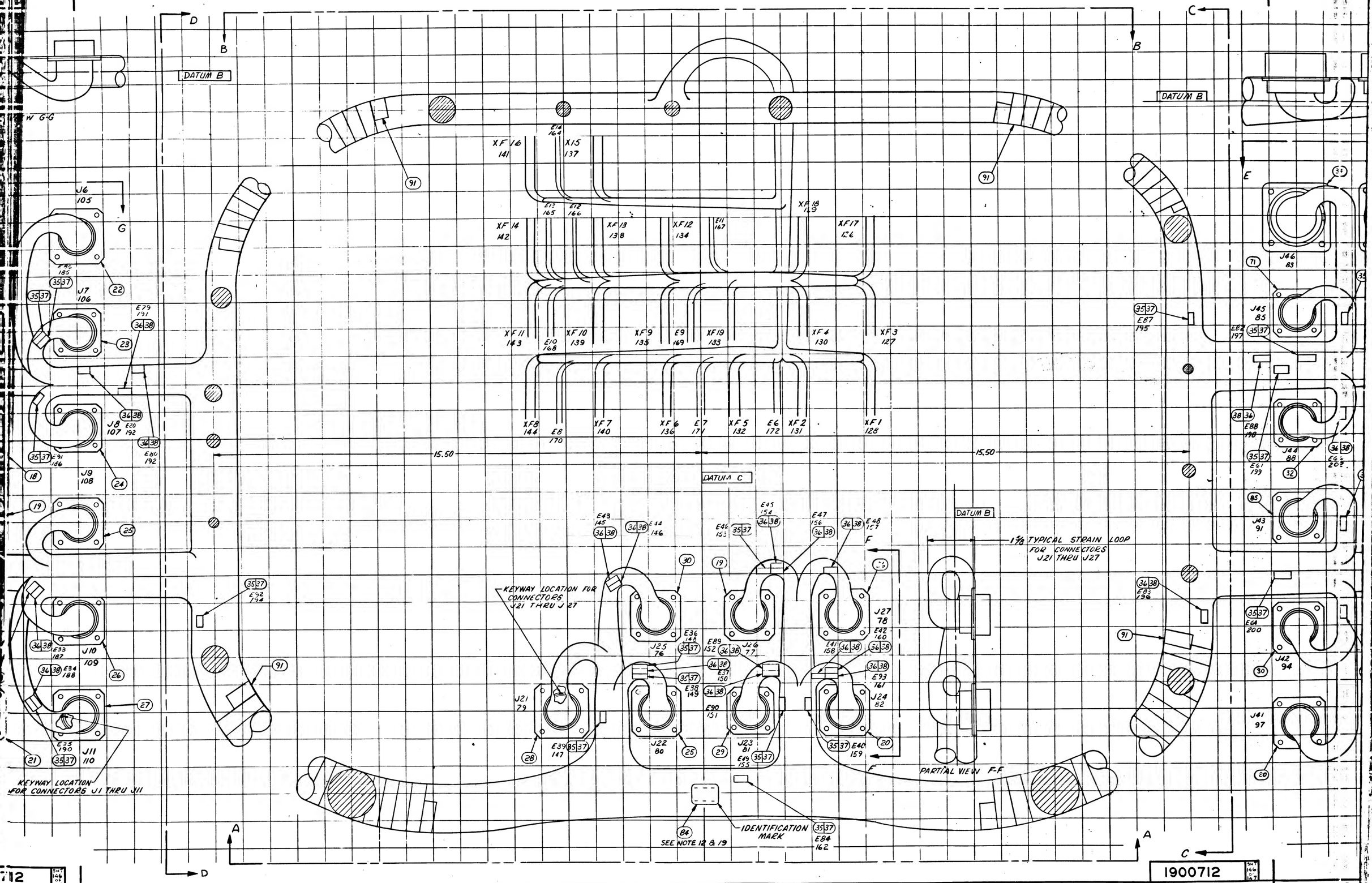
CONDUCTOR INDIVIDUAL LENGTH NUMBER	ITEM NO.	3	FROM CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	3	T 1 2	TERMINATION SPEC 1	ITEM NO.	NO.	TO CUT WIRE OR SHIELD STRIP WIRE OR JACKET CIRCUIT POINT	3	T 1 2	TERMINATION SPEC 1	ITEM NO.	NO
A1108R			J25-A	22N				76	K21- 6	31Y				6
A1109	12			250	220 50 67 59 5					250	220 51			7A
A1109A	2		SHLD A1109	25N					E44-B	38N				146
A1109L			J25-J*	22N				76	K37-13	31Y		49		
A1109R			J25-I*	22N				76	K37-16	31Y		49		
A1110	12			250	220 50 67 59 5					250	220 51			7A
A1110A	2		SHLD A1110	25N					E24-B	38N				177
A1110L			J3-L	22N				102	K37-14	31Y		49		22
A1110R			J3-K	22N				102	K37-17	31Y		49		22

1. THE STD CONDUCTOR TERMINATION FIGURES ARE PER
2. DIMENSIONS ARE IN INCHES AND TWO PLACE DECIMALS.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 1900712

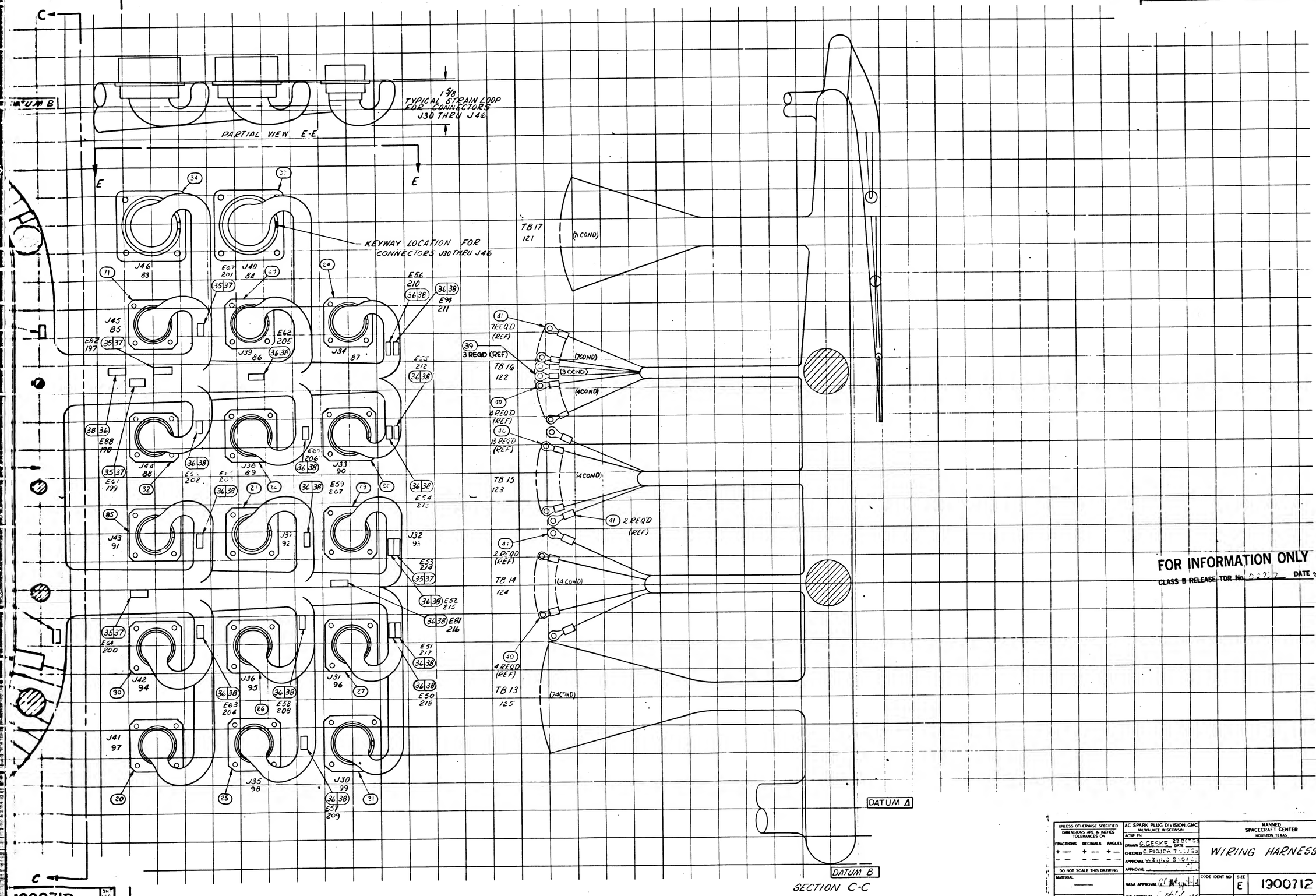
SCALE - NONE | REV LTR U | SHEET 145 OF 147


PARTIAL VIEW G-G
1 3/8 TYPICAL STRAIN LOOP FOR CONNECTORS J1 THRU J11
KEYWAY LOCATION FOR CONNECTORS J1 THRU J11
SECTION D-D
DATUM B
67 COND
5 COND
3 COND
(61 COND)
TB 7 111
TB 8 112
TB 9
TB 10
TB 11 120
J1 100
J2 101
J3 102
J4 103
J5 104
J6 105
J7 106
J8 107
J9 108
J10 109
J11 110
1900712


DATUM B
DATUM C
DATUM B
DATUM B
W G-G
J6 105
J7 106
J8 107
J9 108
J10 109
J11 110
J21 79
J22 80
J23 81
J24 82
J25 76
J26 77
J27 78
J41 97
J42 94
J43 91
J44 88
J45 85
J46 83
XF16 141
XF15 137
XF14 142
XF13 138
XF12 134
XF18 129
XF17 126
XF11 143
XF10 139
XF9 135
XF19 133
XF4 130
XF3 127
XF8 144
XF7 140
XF6 136
XF5 132
XF2 131
XF1 128
15.50
15.50
1 5/8 TYPICAL STRAIN LOOP FOR CONNECTORS J21 THRU J27
KEYWAY LOCATION FOR CONNECTORS J21 THRU J27
KEYWAY LOCATION FOR CONNECTORS J1 THRU J11
IDENTIFICATION MARK
SEE NOTE 12 & 19
PARTIAL VIEW F-F
1900712
1900712

271900712

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
U		REVISED PER TDR 10172		5/6/63	JAF



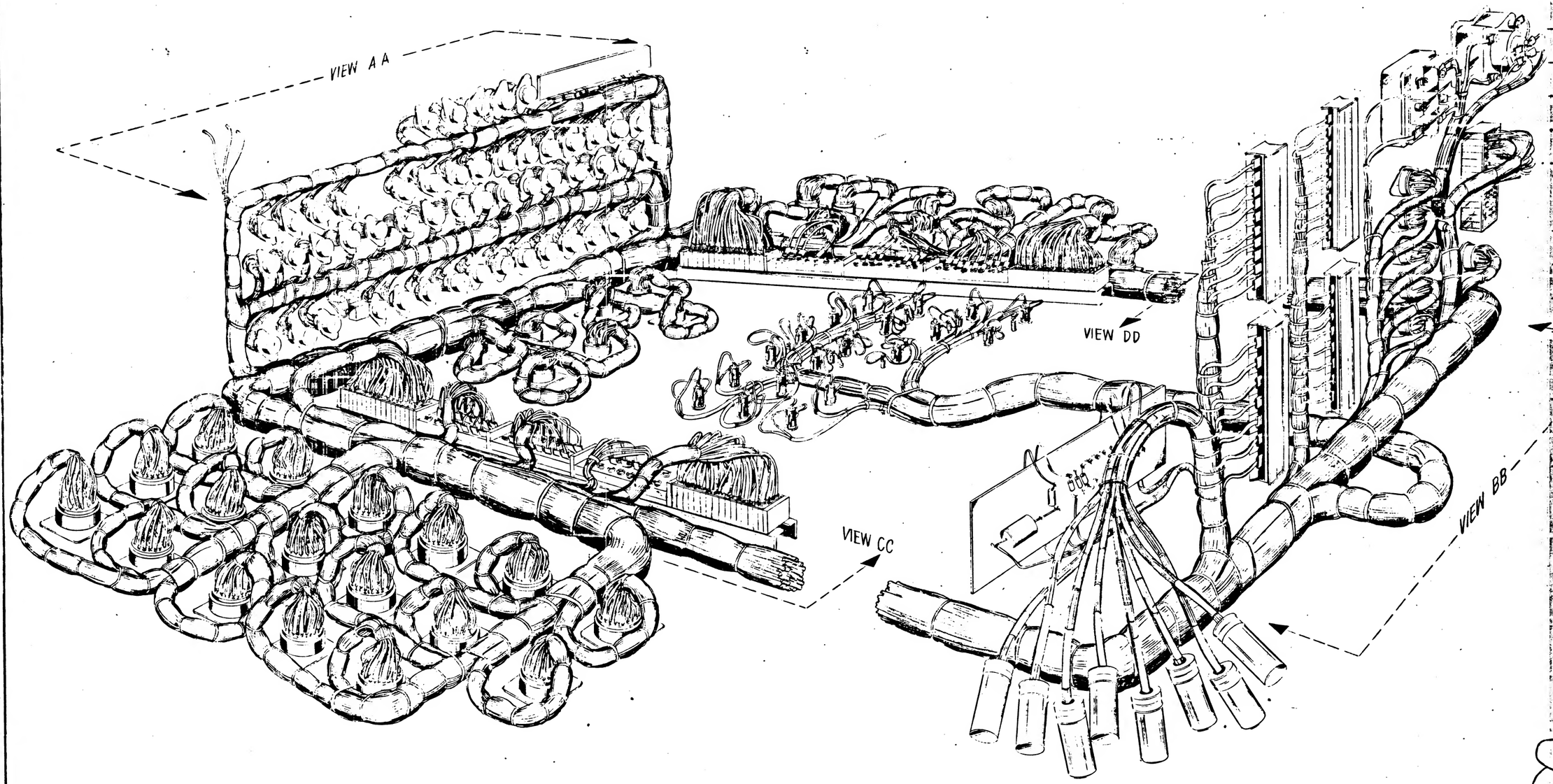
FOR INFORMATION ONLY

CLASS B RELEASE TDR No. C-2277 DATE 9/9/63

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS ± — DECIMALS ± — ANGLES ± —	AC SPARK PLUG DIVISION, GMC MILWAUKEE WISCONSIN	MANNED SPACECRAFT CENTER HOUSTON TEXAS
DO NOT SCALE THIS DRAWING	ACSP PN DRAWN G. GESKE 23 OCT 63 CHECKED C. PIOJDA 7-1-63 APPROVAL W. ZIMMS 9-6-63 APPROVAL	WIRING HARNESS "A"
MATERIAL —	NASA APPROVAL	CODE IDENT NO SIZE E 1900712
CONTRACT NAS 9-497	MIT APPROVAL	SCALE FULL SHEET 146 OF 147

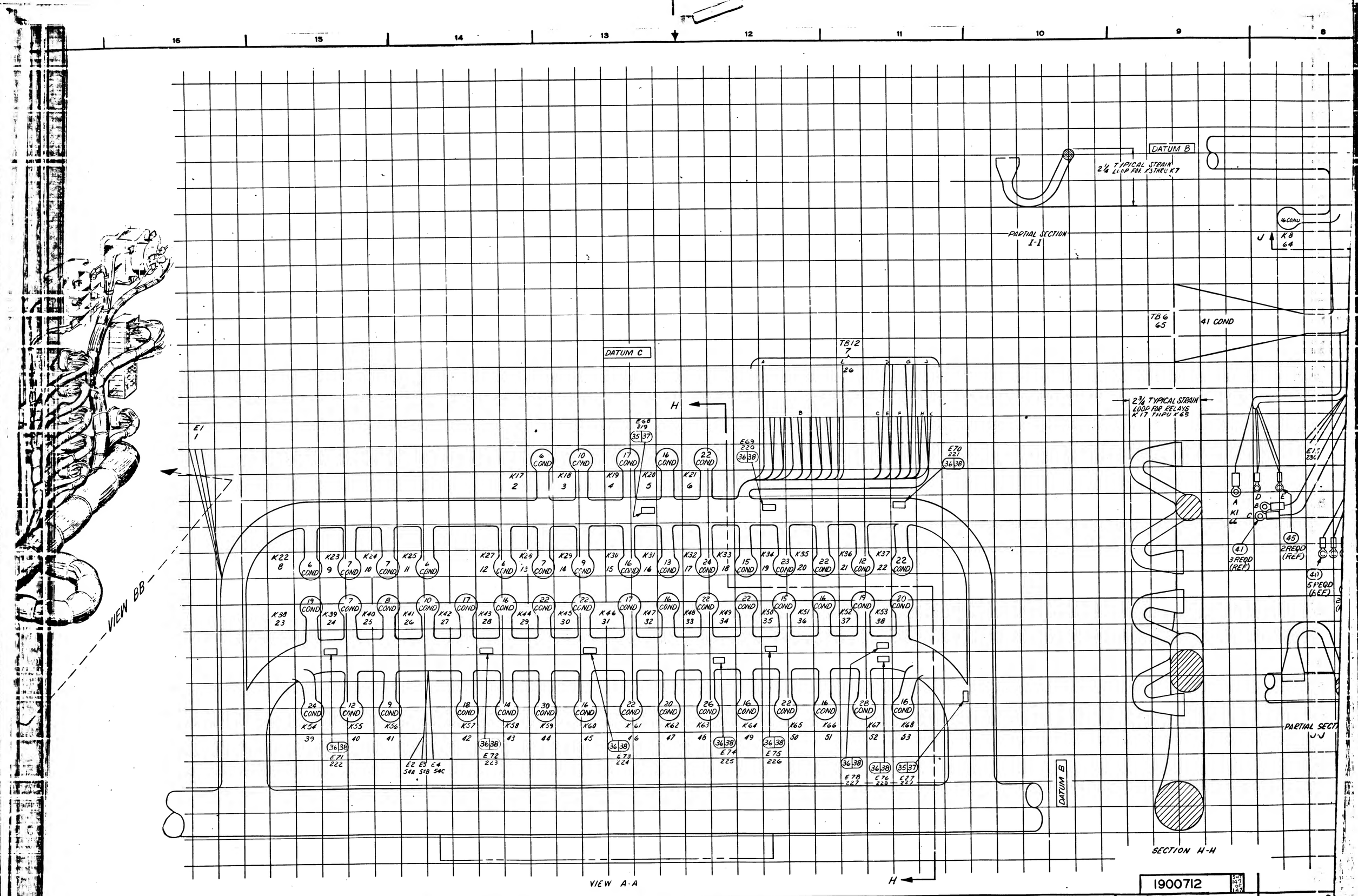
1900712 SHT 146 OF 147

37/1900712

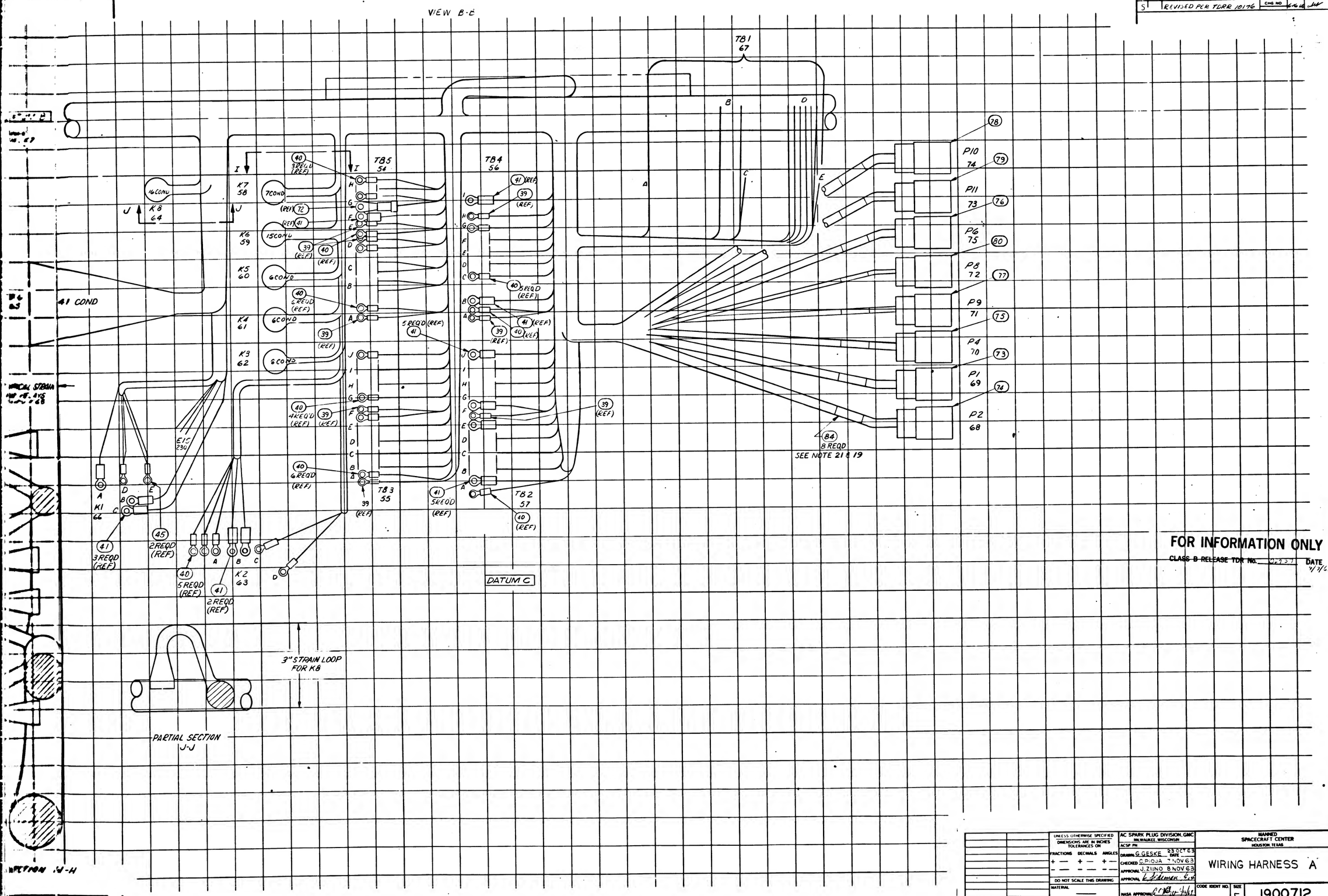


THIS VIEW IS FOR REFERENCE ONLY
AND WILL NOT BE UPDATED

1/1190/0/612


DATUM B
2¼ TYPICAL STRAIN LOOP FOR K3 THRU K7
PARTIAL SECTION I-I
16 COND
K8 64
TB6 65
41 COND
DATUM C
TB12 7
26
2¾ TYPICAL STRAIN LOOP FOR RELAYS K17 THRU K68
E1 1
E68 219
E69 220
E70 221
E17 230
K1 66
(41) 3 REQD (REF)
(45) 2 REQD (REF)
(41) 5 REQD (REF)
VIEW BB
PARTIAL SECTION J-J
SECTION H-H
VIEW A-A
E71 222
E72 223
E73 224
E74 225
E75 226
E76 228
E77 229
E78 227
E2 E3 E4
54A 54B 54C
1900712
SH 147 OF 147
2719007 12

REVISIONS				
SYM	ZONE	DESCRIPTION	CHG NO	DATE / APPD
S		REVISED PER TDRR 10176		4-4-64



FOR INFORMATION ONLY

CLASS B RELEASE TDR No. 02337 DATE 4/7/65

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON	AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN	MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
FRACTIONS ± — DECIMALS ± — ANGLES ± —	DRAWN G GESKE 23 OCT 63	WIRING HARNESS A	
DO NOT SCALE THIS DRAWING	CHECKED C. PIOJA 7 NOV 63		
MATERIAL —	APPROVAL J. ZIINO 8 NOV 63	CODE IDENT NO. E	SIZE 1900712
NEXT ASSY / USED ON	NASA APPROVAL	SCALE FULL	SHEET 147 OF 147
APPLICATION	MIT APPROVAL		
CONTRACT NAS 9-497			

1900712 S 147 OF 147

3/1900712